MADURAI KAMARAJ UNIVERSITY

TWENTY SECOND
ANNUAL REPORT

1987

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5792

VOLUME II

MADURAI KAMARAJ UNIVERSITY

மதுரைத் தமிழ்ச் சங்கம்

TWENTYSECOND ANNUAL REPORT

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VOLUME II

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APPENDIX--A

PERSONNEL

a) Chancellor :

His Excellency Thiru S.L Khurana,
Governor of Tamilnadu,
Raj Bhavan, Guindy,
Madras - 600 022.

b) Pro-Chancellor :

Thiru C. Ponnaiyan, B.Com., B.L.,
Minister for Education & Law,
Madras-600 009.

c) Vice-Chancellor :

Dr. S. Krishnaswamy, Ph.D., (Madras), Ph.D., D.Sc. (Southampton),

d) Registrar :

Major P.P. Chinnadurai, M.A., M.Sc.,
(Till 7-9-1987 F.N.)

Dr. T. Sivasankaran, M.A., Ph.D.,
(From 7-9-1987)

e) Finance Officer :

Thiru N. Govindan, B.A.,

f) Dean :

Thiru S. Ramachandran, M.A.,

g) Special Officer :

Dr. T.J. Pandian, M.Sc., Ph.D.,

h)) Information Officer :

Thiru D. Manickaraj,
(Retd. on 31-1-1987 A.N.)
Thiru K. Chidambaram, B.Sc.,

i) Deputy Registrars :

Thiru S. Balasubramanian, B.Sc.,
Thiru A. Swaminathan, M.B.A.,

j) Assistant Registrars :

Thiru J. Frederic Ebenezer, B.A.,
,, R. Kaleeswaran, B Sc., M.B.A.,
,, S. Ramakrishnan, B.Sc.,
,, K.S Subramanian, B.Com ,

Examinations :

a) Controller of Examinations :
Prof. A. Winfred, M.Sc.,

b) Deputy Registrars :

Thiru Ghulam Ghouse, B.A.,
,, P. Shanmugasundaram, M.A.,
,, C. Chandrasekaran, M.A., B.L.,
,, Thiru R.K. Madhavan, B.Com.,

c) Assistant Registrars :

Thiru A.R. Jayaraman, M Com ,
,, V.R. Desikan, B.Com.,
,, T.S. Krishnamoorthy, B.Com.,

Institute of Correspondence Course and Continuing Education :

a) Director-in-Charge :

Thiru A. Jagadeesan, M.A ,

Deputy Directors :
Thiru S.M. Subburaj
,, S. Sathiyagirirajan
(Till October, 1987)

Deputy Registrars :

Thiru N.S. Venkatasubbu, B.Com.,
,, D. Ramachandran, B.Sc ,

c) Assistant Registrars :

Thiru C.S. Mohanram, B.A.,
,, S. S. Thiruvengadathan, M.A.,

Other Departments :

Department of Youth Welfare :

Thiru V. Dakshinamoorthy, M.A.,
Director.

Department of Adult Education :

Thiru R. Rengasamy, M.A.,
Co-Ordinator.

Department of National Service Scheme :

Thiru S. Raju, M.A ,
Programme Co-ordinator.

Publications Officer :

Dr. C. K. Mahadevan, M.A., Ph.D.,

University News Letter Editor :

Dr. A. Santha, M.A.,Ph.D.,

Director of Physical Education and Recreation :

Thiru A. R Dhanaraj, B.A., M.P.Ed.,

APPENDIX—B

SYNDICATE MEMBERS

I. Ex-Officio Members :

1. Dr. S. Krishnaswamy, Ph.D (Madras),
   Ph.D., D.Sc., (Southampton)
   Vice-Chancellor,
   Madurai Kamaraj University,
   Palkalainagar, Madurai-625 021.

2. Thiru T.D Sundar Raj, I.A.S.,
   Commissioner & Secretary to Government,
   Education Department,
   Fort St. George,
   Madras-600 009.

3. Thiru S Vadivelu, B.L.,
   Commissioner & Secretary to Government,
   Law Department,
   Fort St. George,
   Madras-600 009. (From 1-1-87)

4. Thiru R. Shanmugam, I.A.S.,
   Commissioner & Secretary to Government,
   Health & Family Welfare Department,
   Fort St. George,
   Madras-600 009. (From 1-1-87 to 30-11-87)

5. Thiru N. Narayanan, I.A.S.,
   Commissioner & Secretary to
   The Government
   Health and Family Welfare Dept.,
   Fort St. George,
   Madras-600 009. (From 9-12-87)

6. Prof. N. Anantapadmanabhan, B.Sc. (Hons.)
   Director of Collegiate Education,
   Nungambakkam,
   Madras-600 006.

7. Prof. V. Srinivasan, B.E , F.I E.,
Director of Technical Education,
Guindy,
Madras-600 025. (upto 30-11-87)

8. Thiru T.R. Natesan, Ph.D.,
Director of Technical Education,
Guindy, Madras-600 025. (From 2-1-88)

9. Dr. (Tmt) Lalitha Kameswaran,
M.B.B.S., Ph.D., F.C A.I.,
Director of Medical Education,
Chepauk,
Madras-600 005 (upto 2-8-87)

10. Dr S. Arumugam, M.B.B.S., M.Sc , (Path.),
FACP, FICS, FIAMS, FMMC ,
Director of Medical Education,
Chepauk,
Madras-600 005 (From 3-8-87)

11. Thiru S. Master Sankaran, M.L.,
Director of Legal Studies,
T.N.H.B. Buildings,
Nandanam,
Madras-600 035. (From 1-1-1987)

II. Nominated by the Chaneellor :

12. Dr. B.R. Subrahmanyam, M.B.B.S.,
34, Sir C.V. Raman Road,
Alwarpet,
Madras-600 018.

13. Thiru R.T. Gopalan, M.P.,
28, Amaravathi Illam,
Aalamarathu Theru,
Cumbum,
Madurai District.

MEMBERS OF THE SENATE

Class I - Ex-Officio Members

1 His Excellency
Thiru S.L. Khurana,
Governor of Tamilnadu,
and Chancellor of the University,
Raj Bhavan, Guindy,
Madras-600 022.

2 Thiru C. Ponnaiyan, B.Com., B.L.,
Minister for Education and
Pro-Chancellor of the University,
Fort St. George,
Madras-600 009.

3 Thiru S. Krishnaswamy,
Ph.D. (Madras), Ph.D.,
D.Sc., (Southampton),
Vice-Chancellor,
Madurai Kamaraj University,
Madurai-625 021.

4 Thiru N. Anantapadmanabhan, B.Sc. (Hons)
Director of Collegiate Education,
Nungambakkam, Madras-600 006.

5 Thiru K. Gopalan, M.A., M.Sc., B.T.,
Director of School Education,
Nungambakkam, Madras-600 006.

6 Thiru V. Srinivasan, B.E., F.I.E.,
Director of Technical Education,
Guindy,
Madras-600 025 (upto 30-11-87)

7 Thiru T.R. Natesan, Ph.D.,
Director of Technical Education,
Guindy,
Madras-600 025. (From 2-1-88)

8 Dr. (Tmt.) Lalitha Kameswaran, M.B.B.S., Ph.D., F.C.A.I.,
Director of Medical Education,
Chepauk,
Madras-600 005. (upto 2-8-87)

9 Dr. S. Arumugam, M.B.B.S., M.Sc. (Path)
Director of Medical Education,
Chepauk, Madras-600 005.
(From 3-8-87)

Class I - Item (8) Ex Officio members - Principals of affiliated colleges who have served as Principals for not less than three years.

10 Selvi S. Baghirathi, M.A., M.Litt.,
Principal,
Sri Parasakthi College for Women,
Courtallam-627 802.

11 Thiru SP. Annamalai, M.A., Ph.D.,
Principal, Thiagarajar College,
Madurai-625 009.

12 Thiru R. Kanagasabapathy, M.A., Ph.D.,
Principal, Aditanar College of
Arts & Science,
Tiruchendur-628 216.

13 Selvi Shanti Manuel, M.A.,
Principal, Lady Doak College,
Madurai-625 002.

14 Thiru K.H. Narayanan, M.A.,
Principal, Sri Paramakalyani
College, Alwarkurichi-627 412.

15 Thiru S. Selvaraj, M.A., M.Sc.,
Principal, Kamaraj College,
Tuticorin-628 003.

16 Thiru D. Murugasamy, M.A., B.O.L.,
Principal,
Ramasamy Tamil College,
Karaikudi-623 001.

17 Thiru A. Pownraja, M.A., M.Phil., Ph.D.,
Principal, A.N.J.A. College,
Sivakasi-626 123.

18 Thiru V. Kamatchi, M.A.,
Principal, P.T.M.T.M. College,
Kamuthi-623 603.

19 Thiru D. Parameswaran, M.Sc.,
Principal, Devanga Arts College,
Aruppukottai-626 101.

20 Thiru K.P. Ramachandran Nayar, M.A., M.Ed.,
Principal, The N.V.K.S.D
College of Education, Attoor
K.K. District-629 177.

21 Tmt. Subadra S. Menon, M.A.,
Principal,
Sree Ayyappa College for women,
Alloor-629 801. (Upto 30-6-87)

22 Thiru T. Paulsamy, M.A.,
Principal,
Tirunelveli Dakshina Mara Nadar
Sangam College,
T Kallikulam-627 118.

23 Thiru L. Chidambarathanu, M.A.,
Principal, S.T. Hindu College,
Nagercoil-629 002.

24 Thiru V. Ramasamy, M.A.,
Principal,
Sri S. Ramasamy Naidu
Memorial College,
Sattur-626 203.

25 Tmty. G. Anushiya Devi, M.A.,
Principal, V.V. Vanniaperumal
College for Women,
Virudhunagar-626 002.

26 Thiru D.V.P. Raja, MA., DSSA, D.Litt., Ph.D,
Director,
Madurai Institute of Social
Work, Alagar Koil Road,
Madurai-625 002.

27 Thiru N. Srinivasan, M.A.,
Principal,
Sree Sevugan Annamalai College,
Devakottai-623 303.

28 Sr. Vitalina Mary, M.Sc., B.T.,
Principal, St. Mary's College,
Tuticorin-628 001.

29 Thiru M. Maria Louis, B.E.,
Principal,
Thiagarajar College of
Engineering, Madurai-625 015.
(Upto 31-5-87)

30 Thiru T. Sivasankaran, M.A., Ph.D.,
Principal,
Saraswathi Narayanan College,
Madurai-625 022. (Upto 6-9-87)

31 Thiru S. Chidambarasubramanian, M.A., B.T.,
Principal, Ambai Arts College,
Ambasamudram-627 401.

32 Thiru J.D. Paul Jayaraj, M.A.,
Principal,
Cardamom Planter's Association
College, Bodinayakanur-626 513.

33 Thiru G. Selvaganapathy, M.A.,
Principal,
Alagappa Government College,
Karaikudi-623 003.

34 Tmty. V. Premalatha, M.A., Ph.D.,
Principal,
Sri Sathguru Sangeetha
Vidyalayam, Madurai-625 002.

35 Tmty. Narmadha Santhakumar, M.A.,
Principal,
E.M.G. Yadava Women's College, Madurai-625 014.

36 Thiru A.R. Ponniah, M.A., B.L.,
Principal & Secretary,
P.M.T. College,
Melaneelithanallur-627 953.
Tirunelveli District.

37 Thiru K. Subramanyam, M.A.,
Principal, Vivekananda Colllge,
Tiruvedagam West 624 217.
Sholavandan R.S.
Madurai District.

38 Thiru P. Rajadurai. M.A.,B.Ed., M.Phil.,
Principal,
Saiva Bhanu Kshatriya College,
Aruppukottai-626 101.

39 Tmty. P. Soundra, M.A.,Ph.D.,
Principal,
A.P.C. Mahalaxmi College,
for Women, Tuticorin-628 002.

40 Thiru G. Venkatesan, M.A.. M.Ed.,P.D.,Ph.D.,
Principal,
Rajapalayam Raju's College,
Rajapalayam-626 117.

41 Thiru K. Subbiah, M.A., M.Sc.,
Principal, N.M.S S.V.N. College,
Nagamalai Pudukkottai,
Madurai-625 019

42 Thiru R. Purnachandra Rao, B.Sc., M.B.A.,
(Pen USA)
Director,
Thiagarajar School of Management
Madurai-625 005

43 Tmty. B. Padma Thambi, M.Sc.,
Principal,
Sree Devi Kumari Women's College,
Kuzhithurai-629 163.
K.K. District.

44 Thiru. V. Ramasubramanian, M.A.,
Principal,
Mannar Thirumalai Naicker College,
Pasumalai, Madurai-625 004

45 Thiru M. Tamilkudimagan, M.A., Ph.D,
Principal,
Yadava College,
Madurai-625 014

46 Thiru M. Mathusoodana Perumal, M.A., M.Phil.,
Vivekananda College,
Agasteeswaram-629 701
K.K. Distsict.

47 Thiru G. Shanmugasundaram, M.A., M.Sc., M.Phil.,
Principal,
G.T.N. Arts College,
Dindigul-624 004.

48 Thiru K. Paul Dawson, M.A., M.Phil.,
Principal,
Pope's College,
Sawyerpuram-628 251.
Tirunelveli District.

49 Sr. James Celine, M.Sc., M.Ed.,
Principal,
St. Justin's Teachers College for Women,
Madurai-625 009.

50 Thiru M. Balasundaravathanam, M.A.,
Principal,
A.P.S.A. College,
Tiruppathur-623 211,
P.M. District

51 Tmty. Nirmala Thyagarajan,
M.S., (Tenn), U.S.A., B.T., P.hD.,
Principal,
Sri Meenakshi Goverment College
for Women,
Madurai-625 002 (upto 10.6.87)

52 Thiru C. Pakkiam, M.Sc.,
Principal,
V.O.C. College,
Tuticorin-628 008

53 Thiru S. John Gabriel, M.A.,
Principal,
Nazareth Margochis College,
Pillayanmanai,
Nazareth-628 617.

54 Sr. A. Rose Anne, M.A., M.Ed.,
Principal,
St. Ignatius College of Education,
Palayamkottai-627 002.

55 Tmty. G. Pankajam,
M.Sc., M.A., M.Ed., Ph.D.,
Principal,
Lakshmi College of Education,
Gandhigram-624 302.
Ambaturai R.S., Anna District.

56 Thiru K. Bose,
M.A., M.Phil., Ph.D.,
Principal,
P.M.T. College.
Usilampatti-626 532,
Madurai District.

57 Thiru S. Packiam, M.A., M.Sc.,
M.Ed., D.G.T., Ph.D.,
Principal,
V.O.C. Teacher's College,
Tuticorin-628 008.

58 Thiru S.A. Syed Abdullah, M.A.,
Principal,
H.K.R.H., College,
Uthamapalayam-626 533
Madurai District.

59 Thiru D. Arthur Davis, M.A.,
Principal,
The Muslim Arts & Science
College,
Thiruvithancode-629 174
K.K. District.

60 Thiru V. Subramanian, M.D. (s),
Principal,
Govt. Siddha Medical College,
Palayamkotti-627 002.

61 Thiru H. Kader Masthan, M.Sc.,
Principal,
M.S.S.W.B. College,
K.K. Nagar, Madurai-625 020

62 Thiru A. Govinda Pillai, M.A.,
Principal,
Govt. Arts College,
Melur-625 106.
Madurai District. (upto 1-8-87)

63 Thiru K. Ramamoorthy,
M.A., M.Sc., Ph.D.,
Principal,
Madura College,
Madurai - 625 011.

64 Thiru T. Kripendra Babu,
M.A., M.Sc.,
Principal,
G. Venkataswamy Naidu College,
Kovilpatti-627 702.

65 Thiru G. Mohamed Pasi, M.Sc.,
Principal,
Sadakathulla Appa College.
Palayamkottai - 627 011.
(From 25-3-87)

66 Thiru S.R. Srinivasan, B.E.,
D.R. (ING).,
Principal,
Alagappa Chettiar College of
Engineering & Technology,
Karaikudi-623 004.
(From 10-6-87)

67 Thiru M. Natesan, M.Sc.,
Principal,
Sivanthi Aditanar College,
Pillayarpuram,
Nagercoil-629 501.
(From 7-7-87)

68 Thiru K. Mohideen Pathusda,
Principal,
Dr. Zakir Hussain College,
Ilayangudi-623 702.

69 Sr. Marie Teresa, M.Sc., M.Phil.,
Principal, Fatima College,
Madurai-625 018.
(From 28-9-87)

70 Tmty. Lalitha Gnanadoss,
M.Sc., Ph.D.
Principal,
Sarah Tucker College,
Tirunelveli-627 007.
(From 28-9-87)

71 Tmty. E.G.M. Johnson, M.A.,
Principal,
Women's Christian College,
Nagercoil - 629 001.
(From 5-10-87)

72 Rev. Fr. J. L. Gnanarethinam,
S.J., M.Sc., Ph.D.,
Principal,
Arul Anandar College,
Karumathur - 626 514.
Madurai District.
(From 23-11-87)

Class I - Item (9) (Ex-Officio Members Whole - Time University Professor in charge of a Department :

73 Thiru S. Neelakantan, M.Sc.,
Ph.D.,
Prof. & Head of the Dept., of
Natural Products Chemistry,
Madurai Kamaraj University,
Madurai - 625 021.
(upto 30-6-87)

74 Thiru N. Arumugam,
M.A., Ph.D.,
Prof. & Head of the Department
of Organic Chemistry
Madurai Kamaraj University,
Madurai - 625 021.

75 Thiru R. Venkatarathinam,
M.A., Ph.D.,
Prof. & Head of the Department
of Sociology,
Madurai Kamaraj University,
Madurai - 625 021.

76 Thiru V. Sachithanandan,
M.A., M.Litt., Ph.D.
Prof. & Head of the Department
of English and Comparative
Literature,
Madurai Kamaraj University,
Madurai-625 021.

77 Thiru R. Sankararamalingam,
M.A., Ph.D.,
Prof. & Head of the Department
of Economics,
Madurai Kamaraj University,
Madurai - 625 021.

78 Thiru VR. Muthukaruppan,
M.Sc., Ph.D.,
Prof. & Head of the Department
of Immuno-Biology,
Madurai Kamaraj University,
Madurai - 625 021.

79 Thiru M. Lakshmanan,
M.Sc., Ph.D.,
Prof. & Head of the Department
of Micro - Biology,
Madurai Kamaraj University,
Madurai - 625 021.

80 Thiru J. Jayaraman,
M.Sc., Ph.D.,
Prof. & Head of the Department
of Bio-Chemistry,
Madurai Kamaraj University,
Madurai - 625 021.

81 Thiru K.R. Nagarajan,
M.Sc., Ph.D.,
Prof. & Head of the Department
of Applied Mathematics,
Madurai Kamaraj University,
Madurai - 625 021.

82 Thiru T. Soundararajan,
M.A.,Ph.D.
Prof. & Head of the
Department of Mathematics,
Madurai Kamaraj University,
Madurai-625 021.

83 Thiru N.R. Subbaratnam,
M.Sc.,Ph.D.
Prof. & Head of the Department of Physical Chemistry,
Madurai Kamaraj University,
Madurai-625 021.

84 Thiru S. Balasubramanian,
M.Sc.,Ph.D.
Prof. & Head of the Dept. of
Theoretical Physics,
Madurai Kamaraj University,
Madurai-625 021.

85 Thiru S. Subramanian,
M.A.,Ph.D.
Prof. & Head of the Department
of Political Science,
Madurai Kamaraj University,
Madurai-625 021.

86 Thiru C.R. Sarma, M.A.,Ph.D.,
Prof. & Head of the
Department of Telugu,
Madurai Kamaraj University,
Madurai-625 021.

87 Thiru S. Jeyachandran,
M,A.,B.T.,Ph.D.,
Prof. & Head of the
Department of Geography,
Madurai Kamaraj University,
Alagarkoil Road,
Madurai-625 002.

88 Thiru N. Srinivasaraghavan,
M.A.,M.Sc.,Ph.D.,
Prof. & Head of the
Department of Econometrics,
Madurai Kamaraj University,
Madurai-625 021.

89 Thiru T.J. Pandian, M.Sc.,Ph.D.
Prof. & Head of the Dept. of
Environmental Physiology,
Madurai Kamaraj University,
Madurai-625 021.

90 Thiru RM. Periakaruppan,
M.A.,Ph.D.,
Prof. & Head of the
Department of Tamil Studies,
Madurai Kamaraj University,
Madurai-625 021.

91 Thiru M. Israel, M.A.,Ph.D.,
Prof. & Head of the
Department of Linguistics,
Madurai Kamaraj University,
Madurai-625 021.

92 Thiru G. Parameswara Rao,
M.A., PGDM (II) MC, Ph.D.,
Prof. & Head of the
Department of Management
Studies,
Madurai Kamaraj University,
Madurai-625 021.

93 Thiru C. Natarajan, M.Sc.,Ph.D.,
Prof. & Head of the Department
of In-Organic Chemistry,
Madurai Kamaraj University,
Madurai-625 021.

94 Thiru T.M. Haridasan,
M.Sc.,Ph.D.
Prof. & Head, School of Energy,
Environment and
Natural Resources,
Madurai Kamaraj University,
Madurai-625 021.

95 Thiru R. Jayaraman, M.Sc.,Ph.D.
Prof. & Head of the Department
of Molecular Biology,
Madurai Kamaraj University,
Madurai-625 021.

96 Thiru M.K. Chandrasekaran,
M.Sc.,Ph.D.,DSc.,
Prof. & Head of the Department
of Animal Behaviour and
Physiology,
Madurai Kamaraj University,
Madurai-625 021.

97 Thiru C.J. Roy, M.A.,Ph.D.
Professor,
Department of Malayalam,
Madurai Kamaraj University,
Madurai-625 021.

98 Thiru P. S. Srinivasa,
M.A., Ph.D.,
Professor, Dept. of Kannada,
Madurai Kamaraj University,
Madurai-625 021.

99 Thiru D. Padmanabhan,
M.Sc., Ph.D.,
Prof. & Head of the Dept. of
Plant Morphology & Algalogy,
Madurai Kamaraj University,
Madurai-625 021.

100 Thiru K. Dharmalingam,
M.Sc., Ph.D.,
Prof. & Head of the Department
of Bio-Technology,
Madurai Kamaraj University,
Madurai-625 021.

101 Thiru T. B. Siddhalingiah,
M.A., Ph.D.,
Prof. & Head of the Dept. of
Saiva Siddhantha Philosophy,
Madurai Kamaraj University,
Madurai-625 021.
(From 2-3-87)

102 Thiru G. Thangavelu, M.A.,
Ph.D., B.L., B.Litt., O.T.,
Prof. & Head of the
Department of History,
Madurai Kamaraj University,
Madurai 625 021.
(From 2-3-87)

Class I - Item (10) Ex-Officio Members : Members of the "Syndicate" not otherwise on the Senate :

103 Dr. B. R. Subrahmanyam,
M.B.B.S.,
34, Sir C. V. Raman Road,
Alwarpet, Madras-600 018.

104 Thiru R. T. Gopalan, M. P.,
28, Amaravathi Illam,
Alamarathu Theru,
Cumbum, Madurai District.

105 Thiru T. D. Sundar Raj, I.A.S.,
Commissioner & Secretary
to the Government,
Education Department,
Fort St. George,
Madras-600 009.

106 Thiru S. Vadivelu, B. L.,
Commissioner & Secretary to
the Government,
Law Department, Fort St.
George, Madras-600 009.
(From 1-1-87)

107 Thiru R. Shanmugam, I.A.S.,
Commissioner & Secretary to
Govt., Health and family
welfare Department,
Fort St. George,
Madras-600 009.
(From 1-1-87 to 30-11-87)

108 Thiru N. Narayanan, I.AS.,
Commissioner & Secretary to the Government,
Health and Family Welfare Dept, Fort St George,
Madras-600 009.
(From 9-12-87)

109 Thiru S. Master Sankaran, M.L,
Director of Legal Studies,
T.N.H.B. Buildings, Nandanam,
Madras-600 035.
(From 1-1-87)

Class III - item (3) Elected by the Tamilnadu Legislative Assembly.

110 Thiru A. Malarmannan, M.L.A.,
No 9, III Main Road,
Ramalinga Nagar,
Tiruchirappalli-3.

111 Dr. D. Mohamed Saleem, M.L.A.,
68, Cumbum Road,
Periyakulam,
Madurai District.

112 Thiru S. N. Rajendran, M.L A,
250-A, Melashanmugapuram,
IInd Street, Tuticorin.

113 Thiru K. Raman, M.L A.,
Nakkaneri,
Ayankollankondan Village,
Rajapalayam Taluk,
Ramanathapuram District.

Class III - Item (7) Nominated by the Chancellor.

114 Thiru V. Balakrishnan, M.L A.,
Maraneri Village P. O.,
Sattur Taluk.
Kamarajar District.

115 Thiru M. Patturajan, B.A., B.L.,
Advocate,
Plot No. 397, K. K. Nagar,
Madurai-625 020.

116 Thiru P. C. M. Sundarapandian
Managing Director,
Pandiyan Hotel,
Madurai-625 002.

117 Tmty A. S Ponnammal, M.L.A.,
Alaganpet,
Jambadurai Code Post,
Madurai District

118 Thiru S.Sankaralingam, M.L.A.,
14, Gandhi Nagar Ist Street,
Sankarankoil,
Tirunelveli District.

119 Thiru A. Baluchamy, M.L A,
Kuruvithurai Post,
Nilakottai Taluk,
Madurai District.

120 Thiru Karumutu T. Kannan,
Industrialist,
Thiagarajar Mills, Kappalur,
Thirumangalam Taluk,
Madurai District.

121 Thiru S. Rathinapandian, M.A.,B.T.,
Headmaster,
Solai Nadar Hr. Secondary School, Dindigul.

122 Thiru R. Vijayakumar, M.A., B L.I.Sc.,
A.M. Church Road,
Cumbum-626 516,
Madurai District.

123 Thiru P. S. Palaniappan, M.A, M.Ed.,
Headmaster,
Government Hr. Secondary School, Kannivadi - 624 705,
Anna District.

MEMBERS OF THE ACADEMIC COUNCIL

Class I - Ex-Officio Members :

1 Thiru S. Krishnaswamy,
(Ph D., (Madras),
Ph.D., D.Sc., (Southampton),
Vice-Chancellor,
Madurai Kamaraj University,
Madurai-625 021.

2 Thiru N. Anantapadmanabhan,
B.Sc., (Hons.),
Director of Collegiate Education,
Nungambakkam,
Madras-600 006.

3 Thiru K. Gopalan,
M.A., M.Sc., B.T.,
Director of School Education,
Nungambakkam,
Madras-600 006.

4 Thiru V. Srinivasan, B.E., F.I.E.,
Director of Technical Education,
Guindy, Madras-600 025.
(upto 30-11-87)

5 Thiru T. R. Natesan, Ph.D.,
Director of Technical Education,
Guindy, Madras-600 025.
(From 2-1-88)

6 Dr. Tmt.) Lalitha Kameswaran,
M.B.B S., Ph.D., F.C.A.I.,
Director of Medical Education,
Chepauk, Madras-600 005.
(upto 2-8-87)

7 Thiru S. Arumugam,
M.B.B.S., M.Sc. (Path)
Director of Medical Education,
Chepauk, Madras-600 005,
(From 3-8-87)

Class I (a) - Life Members :

8 Thiru M. P. Periasamythooran,
41, Second Main Road,
Kasturba Nagar,
Madras-600 020.

9 Thiru M. Arunachalam,
"Gandhi Ashram",
Tiruchitrambalam,
Tirumeniyarkoil, Mayuram (TK),
Tanjore District.

10 Thiru K. Ramalingam, M.A.,
"Tamil Manam",
Shenoy Nagar,
Madras-600 030.

11 Thiru AL. Valliappa,
AL 183, Plot No 2884,
Anna Nagar, Madras-600 040.

12 Thiru T. S. Avinashilingam,
Founder-Director,
Sri Ramakrishna Mission
Vidyalaya,
Sri Ramakrishna Mission
Vidyalaya, (P. O.),
Coimbatore-641 020.

13 Dr. K. Appadurai,
'Annai Illam',
No. 10, K. Appaduraiyar St.,
Teynampet, Madras-600 018.

14 Dr. M. P, Sivagnanam,
No. 1, C. P. Ramasamy
Iyer Road,
Alwarpet, Madras-600 018.

15 Prof. L. P. KR. Ramanathan
Chettiar,
(Former Vice-Chancellor
Annamalai University)
48, Venkatesh Nagar,
Virugambakkam,
Madras - 600 092.

Class I - Item (4) Ex-Officio Members Heads of University Department of Study and Research :

16 Thiru S. Neelakantan,
M.Sc., Ph.D.,
Prof. & Head of the Department of Natural Products Chemistry
Madurai Kamaraj University,
Madurai-625 021.
(upto 30-6-87)

17 Thiru N. Arumugam,
M.A., Ph.D.,
Prof. & Head of the Dept. of Organic Chemistry,
Madurai Kamaraj University,
Madurai-625 021.

18 Thiru RM. Periakaruppan,
M.A., Ph.D.,
Prof. & Head of the Dept. of Tamil Studies,
Madurai Kamaraj University,
Madurai-625 021.

19 Thiru V. Sachithanandan,
M.A., M.Litt., Ph.D.,
Prof. & Head of the Dept. of English and Comparative Literature,
Madurai Kamaraj University,
Madurai-625 021.

20 Thiru R. Sankararamalingam,
M.A., Ph.D.,
Prof. & Head of the Dept. of Economics,
Madurai Kamaraj University,
Madurai-625 021.

21 Thiru VR. Muthukaruppan,
M.Sc., Ph.D.,
Prof. & Head of the Dept. of Immuno-Biology,
Madurai Kamaraj University,
Madurai-625 021.

22 Thiru M. Lakshmanan,
M.Sc., Ph.D.
Prof. & Head of the Micro-Biology,
Madurai Kamaraj University,
Madurai-625 021.

23 Thiru J Jayaraman, M.Sc., Ph.D.,
Prof. & Head of the Dept. of Bio-Chemistry,
Madurai Kamaraj University,
Madurai-625 021.

24 Thiru K.R. Nagarajan,
M.Sc., Ph.D.
Prof. & Head of the Dept. of Applied Mathematics,
Madurai Kamaraj University,
Madurai-625 021.

25 Thiru N.R. Subbarathnam,
M.Sc., Ph.D.
Prof. & Head of the Dept of Physical Chemistry,
Madurai Kamaraj University,
Madurai-625 021,

26 Thiru S. Balasubramanian
M.Sc., Ph.D.,
Prof. & Head of the Dept of Theoretical Physics,
Madurai Kamaraj University,
Madurai-625 021.

27 Thiru S. Jeyachandran,
M.A., B.T., Ph.D.,
Prof. & Head of the Dept., of Geography,
Madurai Kamaraj University,
Alagarkoil Road,
Madurai-625 002.

28 Thiru C.R. Sarma, M.A., Ph.D.,
Prof. of Telugu,
Madurai Kamaraj University,
Madurai-625 021.

29 Thiru R. Jayaraman, M.Sc.,
Ph.D.,
Prof. & Head of the Dept. of Molecular Biology,
Madurai Kamaraj University,
Madurai-625 021.

30 Thiru T. Soundararajan,
M.A ,M.Sc.,Ph.D.
Prof. & Head of the Dept.
of Mathematics,
Madurai Kamaraj University,
Madurai-625 021.

31 Thiru C. Natarajan,
M.Sc.,Ph D.,
Prof & Head of the Dept.
of In-Organic Chemistry,
Madurai Kamaraj University,
Madurai-625 021.

32 Thiru R. Venkatarathanam,
M.A.,Ph.D ,
Prof. & Head of the Dept.
of Sociology,
Madurai Kamaraj University,
Madurai-625 021.

33 Thiru D. Padmanabhan,
M.Sc , Ph.D.
Prof. & Head of the Department
of Plant Morphology and
Algalogy,
Madurai Kamaraj University,
Madurai 625 021.

34 Thiru N. Srinivasaraghavan,
M.A.,M.Sc.,Ph.D.,
Prof. & Head of the Department
of Econometrics,
Madurai Kamaraj University,
Madurai-625 021.

35 Thiru T.J. Pandian, M.Sc.,Ph.D.,
Prof. & Head of the Dept.
of Environmental Physiology,
Madurai Kamarj University,
Madurai-625 021.

36 Thiru G. Parameswara Rao,
M.A., PGDM (IIMC) Ph.D.,
Prof. & Head of the Dept.
of Management Studies,
Madurai Kamaraj University,
Madurai-625 021.

37 Thiru G. Sundaramoorthy,
M.Sc.,Ph D.,
Reader in Sanskrit,
Madurai Kamaraj University,
Madurai-625 021.

38 Thiru C.J. Roy, M.A.,Ph D.,
Director, Dept. of Malayalam,
Madurai Kamaraj University,
Madurai-625 021.

39 Thiru M. Isreal, M.A.,Ph.D.
Prof. & Head of the Dept.
of Linguistics,
Madurai Kamaraj University,
Madurai-625 021.

40 Thiru S. Subramanian,
M.A.,Ph.D.,
Prof. & Head of the Dept.
of Political Science,
Madurai Kamaraj University,
Madurai-625 0 21

41 Thiru P.S. Srinivasa,
M.A , Ph.D.,
Prof of Kannada,
Madurai Kamaraj University,
Madurai - 625 021.

42 Thiru T.M. Haridasan,
M.Sc., Ph.D.,
Prof. and Head, School of
Energy, Environment and
Natural Resources,
Madurai Kamarai University,
Madurai - 625 021.

43 Thiru M.K. Chandrasekaran,
M.Sc , Ph.D , D.Sc.,
Prof. & Head of the Department
Animal Behaviour and
Physiology,
Madurai Kamarai University
Madurai-625 021.

44 Thiru K. Dharmalingam, M.Sc., Ph.D., Prof. & Head of the Dept., of Bio-technology, Madurai Kamaraj University, Madurai - 625 021. (From 2-3-87)

45 Thiru T.B Siddhalingiah, M.A., Ph.D., Prof & Head of the Department of Saiva Siddhantha Philosophy, Madurai Kamaraj University, Madurai - 625 021.

46 Thiru G. Thangavelu, M.A.,Ph.D.,B.L.,B.Litt.,O.T., Prof & Head of the Department of History, Madurai Kamaraj University, Madurai-625 021.

Class I-Item (5) Ex-Officio members: Members of the Syndicate not otherwise on the Academic Council :

47 Thiru T.D. Sundar Raj, I.A.S., Commissioner & Secretary to Government, Education Department, Fort St George, Madras - 600 009.

48 Dr. B.R. Subramanyam, M.B.B.S., 34, Sir C.V. Raman Road, Alwarpet, Madras - 600 018.

49 Thiru R.T. Gopalan, M.P., 28, Amaravathi, Illam, Alamarathu Theru, Cumbum, Madurai Dt.,

50 Thiru S. Master Sankaran, M.L., Director of Legal Studies, T.N.H.B. Buitding Nandanam, Madras - 600 035. (From 1-1-87)

51 Thiru S Vadivelu, B.L., Commissioner & Secrerary to Government, Law Department, Fort St. George, Madras - 600 009. (From 1-1-87)

52 Thiru R. Shanmugam, I.A.S., Commissioner & Secretary to Government, Health and Family Welfare Department, Fort St. George, Madras - 600 009. (From 1-1-87 to 30-11-87)

53 Thiru N. Narayanan, I.A S., Commissioner & Secretary to Government, Health and Family Welfare Department, Fort St George, Madras-600 009. (From 9-12-87)

Class I - Item (7) Ex-Officio Members : Principals of Post-Graduate Colleges :

54 Thiru K. Ramamoorthy, M.A., M.Sc., Ph.D., Principal, Madura College, Madurai-625 011.

55 Selvi Shanti Manuel, M.A., Principal, Lady Doak College, Madurai - 625 002.

56 Thiru G. Selvaganapathy, M.A., Principal, Alagappa College, Karaikudi-623 003.

57 Sr. Marie Teresa, M.Sc. M.Phil., Principal, Fatima College, Madurai 625 018.

58 Sr. Vitalina Mary M.Sc., B.T., M.Phil.,
Principal,
St Mary's College,
Tuticorin-628 003.

59 Thiru C. Pakkiam, M.Sc.,
Principal,
V O C College,
Tuticorin-628 003.

60 Tmty. Lalitha Gnanadoss, M.Sc., Ph.D.,
Principal,
Sarah Tucker College,
Palayamkottai-627 007.

61 Selvi S. Baghrathi, M.A.,M.Litt.,
Principal,
Sri Parasakthi College for Women,
Courtallam-627 802.

62 Thiru L. Chidambara Thanu, M.A.,
Principal,
S.T. Hindu College,
Nagercoil-629 002.

63 Thiru D.V.P. Raja, M A.,
DSSA., D.Litt., Ph.D.,
Director,
Madurai Institute of Social Work,
Alagar Koil Road,
Madurai - 625 002.

64 Thiru R. Gnana Robinson, M.Th.,
Principal,
Tamilnadu Theological, Seminary,
Arasaradi,
Madurai - 625 010.
(Upto 1-9-'87)

65 Thiru A. Pownraja,
M.A., M.Phil., Ph.D.,
Principal,
Ayya Nadar Janaki Ammal College,
Sivakasi-626 123.

66 Thiru K. Subbiah, M.Sc.,
Principal,
N.M.S.S.V.N. College,
Madurai-625 019.

67 Thiru G. Mohamed Pasi, M.Com.
Principal,
Sadakthulla Appa College,
Palayamkottai-627 011.

68 Thiru R. Purnachandra Rao, B.Sc., M.B.A., (USA),
Director,
Thiagarajar School of Management,
Madurai-625 003

69 Thiru T. Sivasankaran, M.A, Ph.D.,
Principal,
Saraswathi Narayanan College,
Madurai-625 022.
(upto 6-9-87)

70 Thiru K.H. Narayanan, M.A.,
Principal,
Sri Paramakalyani College,
Alwarkurichi-627 412.

71 Thiru M Balasundaravathanam, M.A.,
Principal,
A.P.S A. College,
Thiruppattur 623 211.

72 Tmty. G Anushiya Devi, M.A,
Principal,
V.V. Vanniaperumal College for Women,
Virudhunagar-626 001.

73 Thiru H. Kader Masthan, M.Sc., M Phil.,
Principal,
M.S S.W.B. College.
Madurai-20

74 Thiru SP. Annamalai,
M.A., Ph.D.,
Principal,
Thiagarajar College,
Madurai 625 009.

75 Tmty. V. Premalatha,
M.A, (Music), Ph.D.,
Principal,
Sri Sathguru Sangeetha
Vidyalayam,
Madurai-625 002.

76 Thiru D. Murugasamy, M.A.,
Principal,
Ramasamy Tamil College,
Karaikudi-623 001.

77 Thiru M. Tamikudimagan,
M.A.,Ph D.,
Principal,
Yadava College,
Madurai-625 014.

78 Thiru R. Kanagasabapathy,
M.A., Ph.D.
Principal,
Aditanar College of Arts and
Science,
Tiruchendur-628 216.
Tirunelveli Dt.,

79 Thiru S. Selvaraj, M.A., M.Sc.,
Principal,
Kamaraj College,
Tuticorin-628 003.

80 Thiru G Venkatesan,
M.A., M.D., P.D., Ph.D.,
Principal,
Rajapalayam Raju's College,
Rajapalayam-626 117.

81 Thiru T. Paulsamy, M.A.,
Principal,
Tirunelveli Dakshina Mara
Nadar Sangam College,
T. Kallikulam-627 113.

82 Thiru V. Ramasamy, M.A.,
Principal
Sri S.R. Naidu Memorial College,
Sattur-626 203.

83 Thiru S. Chidambarasubramanian.
M.A., B.T.,
Principal,
Ambai Arts College,
Ambasamudram-627 401.

84 Thiru J. D. Paul Jayaraj,
M.A., D.T.E.,
Principal,
Cardamom Planters Association
College,
Bodinayakanur-626 513.

85 Thiru A. R. Ponniah, M.A., B.L.,
Principal & Secretary,
P.M.T. College,
Melaneelithanallur-627 953.
Tirunelveli Dt.,

86 Thiru M. Veeraraghavan, M.A.,
Principal,
Sethupathy Govt. Arts College.
Ramanathapuram-623 502.
(Upto 16-6-87)

87 Thiru S.S. Hector, M.A., Ph.D.,
Principal,
Nesamony Memorial Christian
College,
Martandam, K.K. Dt,

88 Thiru S. Jeyasingh, M.Sc., M.A.,
Principal,
Scott Christian College,
Nagercoil 629 003.

89 Thiru A. Govinda Pillai, M.A.,
Principal,
Govt. Arts College,
Melur 625 106,
Madurai Dt., (Upto 1-8-87)

90 Tmty. V. Chandrakantha, M.Sc., Ph.D.,
Principal,
Arulmigu Palani Andavar Arts College for Women,
Palani-624 615. Anna Dt.,

91 Thiru S. Jawharlal, M.A., B.T., Ph.D.,
Principal,
Thiruvalluvar College,
Papanasam,
Vicramasingapuram, P.O.,
627 425.

92 Thiru P.S. Chandrasekaran, B Sc., (Hons.) M.A.,
Principal,
Arulmigu Palaniandavar College of Arts & Culture,
Palani, Anna Dt., (From 4-1-87)

93 Selvi R. Gowrammal, M.A., M.Phil.,
Principal,
The S.F.R. College for Women,
Sivakasi,
Kamarajar Dt., (From 27-2-87)

94 Thiru K. Durairaj, M.A., M.Phil.,
Principal,
Senthamil College,
Madurai-625 001 (From 12-4-87)

95 Thiru D. Peter Jeyapandian. M.Sc., Ph.D.,
Principal,
The American College,
Madurai-625 001. From (10-6-'87)

96 Tmty. A. Gomathy, B.A., (Hons) M.Sc., M.Phil.,
Principal,
Sri Meenakshi Govt. College for Women,
Madurai-2. (From 7-7-87)

97 Thiru K. Mohideen Pathusha, M.A.,
Principal,
Dr. Zakir Hussain College,
Ilayangudi-623 702.

98 Selvi V.A. Vasantha, M.A., Ph.D.,
Principal,
M.V. Muthiah Govt. Arts College for Women,
Dindigul-624 008.
Anna Dt., (From 7-9-87)

99 Thiru K.S. Sundararajan, M.Sc., Ph.D.,
Principal,
Saraswathi Narayanan College,
Madurai-625 022.
(From 11-11-87)

100 Tmty. B. Santha Devi, M.A.,
Principal,
Sree Ayyappa College for Women, Chungankadai (P.O.),
Nagercoil-629 807,
K.K. Dt., (From 11-11-87)

101 Thiru S. Selvaraj, M.A.,
Principal, Sethupathy Govt. Arts College,
Ramanathapuram-623 502.
(From 2-11-87)

102 Tmty. P. Soundra, M.A., Ph.D., D.G.T.,
Principal,
A.P.C. Mahalaxmi College for Women, Tuticorin.

103 Thiru M. Mathusoodana Perumal, M.A., M.Phil.,
Principal,
Vivekananda College,
Agasteeswaram, K.K. Dt.,

104 Thiru G. Shanmugasundaram, M.A., M.Sc., M.Phil.,
Principal,
G.T.N. Arts College,
Dindigul-624 001. Anna Dt.

105 Thiru B. Gunaraj, M.A., A.M. (USA)
Principal,
The American College,
Madurai-625 001. (Upto 30-5-87

106 Thiru T. Pandian Thanasingh, M O.L.,
Principal,
St. John's College,
Palayamkottai-627 002.

107 Tmt. Nirmala Thyagarajan, M.S, (USA), B.T,
Principal,
Sree Meenakshi Govt, College for Women,
Madurai-625 002.
(Upto 10-6-87)

108 Fr. G. Packiaraj, M A.,
Principal,
St. Xavier's College,
Palayamkottai-627 002

109 Thiru M. Ramasamy, M.A.,
Principal,
The M.D.T. Hindu College,
Tirunelveli-627 010.

110 Sr. T. Canisus, M.A.,
Principal,
Jeyaraj Annapackiam College for Women,
Periyakulam-626 562.

111 Rev. Fr. J.L. Gnanarethinam, S.J, M.Sc., Ph.D.,
Principal,
Arul Anandar College,
Karumathur-626 514.

112 Sr. Anna Jothi Felicita, M A., M.Phil.,
Principal,
Holy Corss College,
Nagercoil-629 004.

113 Thiru G.R. Balakrishnan, M.A., Ph d.
Principal,
Sourashtra College,
Madurai-625 004.

114 Thiru P. Velappa Pillai, B.Sc., (Hons.)
Principal,
Sri K.G.S. Arts College,
Srivaikuntam,
Pandanabhamangalam, (P.O.)
Pin-628 619.

115 Thiru S.A. Syed Abdullah, M.A.,
Principal,
H.K.R.H. College,
Uthamapalayam-626 533.
Madurai Dt.,

116 Thiru V. Paravaikkarasu Pillai, M.Sc, M.Phil.,
Principal,
Arignar Anna College,
Aramboly, Nagercoil,
K.K. Dt.,

117 Thiru P. Rajadurai, M.A., M.Phil., B.Ed.,
Principal,
S B.K. College,
Aruppukotti-626 101.

118 Thiru V. Ramasubramanian, M.A.,
Principal,
Mannar Thirumalai Naicker College,
Pasumalai, Madurai-4.

119 Tmty. E G.M. Johnson, M.A.,
Principal,
Women's Christian College,
Nagercoil-629 001.
(From 5-10-87)

120 Tmty. Subadra S. Menon, M.A.,
Principal,
Sree Ayyappa College for Women,
Alloor-629 801. (Upto 30-6-87)

121 Thiru K. Subrahmanyam, M.A., M.Phil.,
Principal,
Vivekananda College,
Tiruvedakam-624 217.

122 Thiru S. John Gabriel, M.A.,
Principal,
Nazarth Margochis College,
Pillayanmanai,
Nazareth-628 617.

123 Thiru K. Paul Dawson,
M.A., M.Phil.,
Principal,
Pope's College,
Sawyerpuram-628 251.

Class I-Item (7) Ex-Officio Members : Principals of Professional Colleges Excluding Training Colleges :

124 Thiru K.R. Jacob, M.S.,
Dean,
Madurai Medical College,
Madurai-625 020.
(Upto 28-2-87)

125 Thiru Sembon David, M.D.,
Dean,
Tirunelveli Medical College,
Tirunelveli-627 011.
(From 27-8-87)

126 Thiru M. Maria Louis,
B.E., M.Sc., (Tor), A.M I.E.,
Principal,
Thiagarajar College of Eng.,
Madurai-625 015.
(Upto 31-5-87)

127 Thiru G. Shanmugam,
B.E., M.S., (Purdue), D.S.,
Principal,
Mepco Schlenk Engg., College,
Sivakasi 626 124.

128 Thiru S. H. Ibrahim, B Sc.,
Tech., M.Sc., Tech., Ph.D.,
Principal,
Mohamed Sathak Engg.,
College,
Kilakarai-623 806.

129 Thiru R. Ramamoorthy,
M.D., D.ch.,
Dean,
Madurai Medical College,
Madurai-625 020.
(From 27-8-87)

130 Thiru J. Paul, M.A., M.L,
Principal,
Madurai Law College,
Madurai-20.

131 Thiru R. Raghavan, B.E.,
(Hons.), B.Sc., Engg.,
Principal,
Govt. College of Engineering,
Tirunelveli-627 007.
(Upto 31-7-87)

132 Thiru K. M. Karuppannan, B.E.
M.S., (Engg.,) Ph.D.,
Principal,
Ratnavel Subramaniam College of Engineering & Technology,
R. V. S. Nagar,
Dindigul - 624 004,
Anna District.

133 Thiru S. R. Srinivasan, B. E.,
D. R. (ING)
Principal,
Alagappa Chettiar College of Engg., and Technology,
Karaikudi-623 004.
(From 10-6-87)

134 Thiru V. Subramanian, M.D. (s),
Principal,
Govt. Siddha Medical College,
Palayamkottai - 627 002.

135 Thiru S. Radhakrishnan, B.A.,
D.M.S., M.B.S.,
Principal,
Govt., Homoeopathy Medical College and Hospital,
Tirumangalam,
Madurai District.
(From 27-2-87)

136 Thiru I. Veluchamy, M.D. (S),
Principal,
Govt. Siddha College,
Palni, Anna District,
(From 27-2-87)

137 Thiru G. Venkataswamy,
M.S, F.A.C.S.,
Director
Aravind Eye Hospital,
Anna Nagar,
Madurai-20.
(From 27-2-87)

138 Thiru R. C. Janakarajan,
B. E., M Sc., (Engg.) Ph.D.,
Principal,
Arulmigu Kalasalingam College of Engineering,
Krishnankoil-626 138.
(From 11-3-87)

Class I - Item (8) Ex-Officio Members : Principals of all other Affiliated Colleges (Excluding Training Colleges) Who have served as Principals for not less than Three Years

139 Thiru D. Parameswaran, M.Sc.,
Principal,
Devanga Arts College,
Aruppukottai - 626 101.

140 Thiru N. Srinivasan, M.A.,
Principal,
Sree Sevugan Annamalai College, Devakottai-623 303.

141 Tmty. Narmada Santhakumar, M.A.,
Principal,
E.M.G. Yadava Women's College,
Madurai-625 014.

142 Tmty. B. Padma Thambi, M.Sc.,
Principal, Sree Devi Kumari Women's College, Kuzhithurai-629 163, K. K. District.

143 Thiru V. Kamatchi, M. A.,
Principal,
P.T.M.T.M. College,
Kamuthi-623 603.

144 Thiru H. S. Donald, M A.,
M.E., P.G.D.T.E., (CIEFL),
Principal,
Lakshmipuram College of Arts & Science,
Neyyoor-629 802.
(upto 30-5-87)

145 Thiru K. Bose, M.A., M.Phil., Ph.D.,
Principal, P.M.T., College,
Usilampatti, Madurai District.

146 Thiru D. Arthur Davis, M A.,
Principal,
The Muslim Arts & Science College,
Thiruvithancode-629 174,
K. K. District.

147 Thiru T. N. Kripendra Babu, M.A., M.Sc,
Principal,
G. Venkataswamy Naidu College, Kovilpatti-627 702.

148 Thiru M. Natesan, M.Sc.,
Principal,
Sivanthi Aditanar College,
Pillayarpuram,
Nagercoil-629 501,
K. K. District.
(From 7-7-87)

Class II - Item (7) - Other Members : Six Members Nominated By the Chancellor to represent Languages :

149 Dr. M. Ramalingam,
Prof. of Tamil,
Bharathidasan University,
Tiruchirapalli-620 001.

150 Prof. S. Srinivasa Sarma,
Annamalai University,
Annamalai Nagar-608 002.

151 Dr. P. S. Subrahmanyam,
Prof. of Telugu,
Annamalai University,
Annamalai Nagar-608 002.

152 Dr. M. Chidadandamoorthy,
Prof. of Kannada,
Bangalore University,
Bangalore-560 056.

153 Dr. P Ramachandra Pillai,
Prof of Malayalam,
University of Kerala,
Trivandrum-695 034.

154 Dr. Saragu Krishnamoorthy,
Professor of Hindi,
Bangalore University,
Bangalore-560 056.

Class II - Item (8) Other Members One Member Nominated by the Chancellor to represent Physical Education :

155 Thiru A. R. Dhanaraj,
B.A., M.P.E.,
Director of Physical Education,
Madurai Kamaraj University,
Madurai-625 021.

Class II - Item (9) - Other Members : Five Members Nominated By the Chancellor From Among the Teachers of Colleges other than Post-Graduate and Professional Colleges :

156 Thiru V. Ramasamy,
M.Sc , M.Phil ,
Prof. of Geology,
Alagappa Govt. Arts College,
Karaikudi-623 003.

157 Thiru S. Palaniappan, M.Sc.,
Prof. of Zoology,
Sree Sevugan Annamalai College,
Devakottai-623 303.

158 Thiru S. P. Surulivelu,
B.A., (Hons.)
Prof. of Tamil,
Nazareth Margoschis College,
Pillaiyanmanai-628 617.

159 Thiru S. Vincent, M Sc.,
Prof. of Zoology,
Lakshmipuram College of Arts & Science,
Neyyoor-629 802.
(From 17-8-87)

160 Thiru S. Kesavaperumal,
M.Com.,
Prof. of Commerce,
P. K. Samy College,
Nagercoil - 629 003.
(From 17-8-87)

APPENDIX—C

Statement showing the number of staff working in the Madurai Kamaraj University as on 1—12—1987.

A Teaching :

Professor : Rs. 1500—60—1800—100 2000—125/2—2500
Reader : Rs. 1200—50—1300—60—1900
Lecturer : Rs 700—40—1100—50—1600

Sl. No. (1)	Name of the Departments (2)	Pro-fessors (3)	Readers (4)	Lectu-rers (5)	Others (6)
1	Tamil	3	9	7	
2	Linguistics	2	1	4	
3	Saiva Siddhanta Philosophy	1	1	2	
4	Gandhian Studies & Ramalingar Philosophy.	1*	2	2	* Hon. Professor
5	English	3	3	5	
6	English P. G. Extn. Centre Palayamkottai)	—	1	1	
7	Economics	3	9	4	
8	History	1	4	4	
9	History (P. G. Extn. Centre, Palayamkottai)	—	2	2	
10	Sociology	1	1	3	
11	Sociology (P. G. Extn. Centre, Palayamkottai)	—	1	3	

(1)	(2)	(3)	(4)	(5)	(6)
12	Geography	1	4	7	
13	French	—	—	3	
14	Malayalam	1	1	3	
15	Telugu	1	1	1	
16	Kannada	1	1	1	
17	Sanskrit	—	2	1	
18	Education	—	2	1	
19	Management Studies	1	5	2	2 Research Associates.
20	Commerce	1	1	1	
21	Political Science	1	2	2	
22	Mathematics	9	4	2	
23	Physics	4	4	6	
24	Chemistry	6	10	3	1 Micro Anaylist
25	Chemistry. (P.G. Extn. Centre, Palayamkottai)	—	—	4	
26	Biological Sciences	10	3	1	
27	Energy Science	1	3	1	1 C.S.I.R. Pool Officer 5 Research Associates
28	Library Science	1	1	1	
29	Computer Science	—	—	4	1 Convener 1 Instructor 1 Research Associate
30	Computer Centre	—	—	—	1 System Manager 1 System Engineer 2 Programmers 1 Computer Operator 2 Key Punch Operators

31	Thirukkural Chair	1	—	1	
32	Islamic Tamil Literature	—	1	—	
33	USIC	—	—	—	1 Junior Scientist
34	Tamilology	—	—	—	4 Research Fellows
35	Youth Welfare	—	—	—	1 Director
36	Adult Education	—	—	—	1 Director 2 Project Officers
37	N.S S.	—	—	—	1 Programme Co-ordinator
38	Physical Education	—	—	—	1 Director of Physical Education.
39	Evening College	—	—	—	1 Director 167 (Part-time Lecturers)
40	I. C. C. & C. E.	8	48	43	
41	D. S. A.	1	1	—	
42	N. T. B.	1	—	—	

(B) NON - TEACHING STAFF

Sl. No.	Departments	Sr Superintendents	Sr. Superintendents (D)	Superintendents	Superintendents (D)	Assistants	Assistants (D)	Production Assistants	Clerks	Attenders	Peon	Sergeant	Watchmen	Gardeners	Sweeper-Cum-Watchmen-cum-Gardeners	Sweepers	Scavengers	Drivers	Sl. Gr. Drivers	Technicians	Sr. Technical Asst.	Jr. Technical Asst.	Duplicator Operator	Telephone Operator	Gardeners/Oversear/ Supervisor	Electrician	Cleaner-Cum-Conductor	Cook	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Tamil					1	1		2	2																			
2	English					1									1														
3	History						1			1																			
4	History (P.G. Extn., Centre, Palayamkottai)						1																						
5	Economics					1				1																			
6	Linguistics						1			1																			
7	Political Science						1																						
8	Geography						1			1										1									
9	Gandhian Studies & Ramalingar Philosophy						1																						
10	French								1						1														
11	U.S.IC.						1		1						2					1	2								
12	Library Science						1								1														
13	Tamilology								1																				
14	Gandhian Thought						1								1														

15	Thirukkural Chair							1					1												
16	Sociology												1												
17	Sociology (P.G. Extn. Centre, Palayamkottai)				1				1																
18	Education					1																			
19	Mathematics			1	1								1												
20	Physics				1			1										1	3						
21	Chemistry		1		3								4					1	3						1 Lab.Asst. 1 Store Asst.
22	Chemistry (PG, Extn. Centre, Palayamkottai)				1			1	2									1							
23	Biological Sciences	1	1		1			2					1			2	1	4	6				1	1	5 Lab. Asst 1 Animal House Attender 1 Sl. Gr. Aquariun keeper.
24	Dr. T.P.M. Library	1	3	1	5		10	8				1	1		1				7						1 Librarian
25	Study Centre, Madurai				1			1																	1 Asst. Librarian
26	Study Centre, Palayamkottai				1		2						2												1 Asst. Librarian
27	Energy Science				1								1						1						
28	Publication Division		1				1						1												1 Sales Asst.
29	Management Studies				1		1																		
30	Commerce				1								1												
31	Adult Education			1	1		1									1									
32	N.S.S.				1		1						1			1									
33	Youth Welfare				2		2																		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
34	Languages (Telugu, Kannada, Sanskrit)						1																						
35	Physical Education				1					1					1														
36	A.I.R. Unit , Trichy				1			1		1																			
37	Malayalam						1																						
38	English (PG. Extn. Centre, Palayamkottai)								1																				
39	Information Centre, Nagercoil			1			4								2														1 Asst. Librarian
40	DSA																					2							1 Photo-grapher 1 Vetenary Asst.
41	Univ. Works Departments						1			1					5											7			1 A.E 2 Sl. Gr. Helper 4 Helper
42	Engineering Division														16														
43	Registrar's Office	6	5	10	19	15	41		23	25	7	1		14	91	20	7	4	3					1	1		2	1	V.C. 1 Registrar 1 Finance Officer } 1 Dy. Regis-trars 2 Asst. Registrars 5

44	Examination Wing	3	4	8	12	25	43		33	8	1				12				1									Controller of Examinations 1 Dy. Registrars 3 Asst. Registrars 3
45	ICC & CE	3	4	9	11	16	57		17	42			7			37	6	2	2		1	1	1				2	ICC & CE Dy. Registrars 2 Asst. Registrars 2 1 Addressographer 1 Attender-Cum-Project-Operator. ICC & CE (Library) 1 Sr. Technical Asst. 1 Jr. Technical Asst.
46	Open University		1			3		7	3					1														

APPENDIX—D

List furnished distinguished visitors to the Departments of the University from India and abroad.

Sl. No.	Name of Visitors with address	Department visited	Topic of Lecturers delivered, if any	Date of arrival and period of stay
1	Naa. Parathasarathi, Editor, Deepam (Literary Journal), Madras.	Tamil Studies	"1 Little magzines" 2 "New Poetry movement"	10-4-87
2	Tmty. Sivasankari, Writer, Madras.	-do-	"My experience as a a writer"	9-3 87
3	Dr. M. Ramalingam, Prof. & Head Dept. of Tamil, Bharadidasan University, Trichy.	-do-	"Social values and the "Changes in Sivasankari's novels"	10-3 87
4	Dr. T.V. Veerasamy, Prof & Head, Dept. of Compilation, Tamil University, Tanjavur	-do-	"Women in Sivasankari's Novels".	9-3-87
5	Dr. T. Muthukannappar, Madras.	-do-	"Arthanareeswarar Kuravanji"	25-7-87
6	Dr. M. Ramalingam, Trichy.	-do-	"Structure of Kuravanji".	25-7-87
7	Dr. A. N. Perumal,	-do-	"Dramatic aspects in Kuravanji".	25-7-87
8	Dr. M. Arunachalam Mayiladuthurai.	-do-	"Kuravanji literature"	25-7-87
9	Dr. Mrs. Ranganayaki, Prof. & Head, Dept. of Tamil, Calcutta University.	-do-	"Development of modern literature."	25-7-87

1	2	3	4	5
10	Dr. C. Balasubra-manian, Madras.	Tamil studies	"History of Tamil-literature	25-7-87
11	Dr. A. A. Manavalan, Dept. of Tamil, Madras University.	-do-	"Kuravanji Drama Structure"	25-7-87
12	Dr. VR Probodha-chandra Nair, University of Kerala, Trivandrum.	Linguistics	Theories and Practice of Translation".	29-1-87 to 31-1-87
13	Dr. P.C. Ganesh-sundaram, Formerly Prof. of Foreign Languages, I.I.S. Bangalore.	-do-	"Translation"	10-2-87 to 12-2-87
14	Dr. P. S. Subra-manyam, Annamalai-University, Annamalainagar.	-do-	"Linguistics Studies in ancient India before Pa : nini, Morphology and Convergence".	18-3-87 to 20-3 87
15	Dr. B. Ramakrishna Reddy, Osmania University, Hyderabad	-do-	"Area Linguistics, India as a Linguistic area, Topology and Linguistic Convergence"	24-3 87 to 26-3-87
16	Dr. K. Karunakaran, Bharathiyar University, Coimbatore.	-do-	"Sociolinguistics, Diglossia, convergence Language Planning"	31-3-87 to 2-4-87
17	Dr. V. Jayadevan, University of Madras, Madras.	-do-	"Lexicography"	31-8-87 to 2-9-87
18	Dr. E. Annamalai, Prof cum-Dy. Director, C.I.I.L., Mysore.	-do-	Dr. T. P. M. Endowment Lecturers"	21-9 87 & 22-9-87

1	2	3	4	5
19	Dr. K. Nagamma Reddy, Osmania University, Hyderabad	Linguistic	"Lectures on Phonetics"	5-10-87 to 9-10-87
20	Dr. N. Krishnaswamy Central Instt. of English & Foreign Languages, Hyderabad.	-do-	Lectures on Transformational Syntax".	2-11-87 to 4-11-87
21	Prof. Vanniasingam, Formerly Professer, Jaffna, Sri Lanka.	Gandhian Univ. of Studies & Ramalingar Philosophy.	"The Ethnic Conflict in Srilanka"	7-5-87
22	Shri Dharambal Sevagram, Maharashtra.	-do-	"Appropriate Technology".	21-6-87
23	Thiru T.S. Ananthu, Research Fellow, Gandhi Peace, Foundation, New Delhi.	-do-	"Gandhian Approach to Science and Technology"	20-7-87
24	Dr. C. Subramaniam, Former Union Finance Minister, New Delhi.	-do-	"Relavance of Gandhi"	5-8-87
25	Dr. M. Aram, Member, U.G.C., New Delhi.	-do-	"Indo-Sri Lanka Agreement".	5-11-87
26	Dr. Joseph Elder, Prof of Sociology, Univ. of Wisconsin, USA,	-do-	"Indepth exchange on Sri Lanka Crisis".	10-1-1987
27	Prof. Giovanni Ermiglia, Formerly Prof. of Philosophy, Univ. of Rome.	-do-	"Defender of Peace",	30-1-87

1	2	3	4	5
28	Dr. Ramjee Singh, Prof. of Gandhian Thought, Bhgalpur Univ.	Gandhian Studies & Ramalingar Philosophy	"Sri Lanka Crisis and the Gandhian way out"	13 3-87
29	Dr. Isaac Sequeira, Prof. of English, Osmania University, Hyderabad.	English (P.G. Extn. Centre, Palayam-kottai)	'Walt whitman and Music"	18-3-87
30	Dr. T.V. Rama-mohanrao, Prof. of Economics, I I.T., Kanpur.	Economics	"Organisational Economics"	1-12-87
31	Dr. Muthu Mohan, Lecturer in Guru-nanak Chair, Dept of Tamil studies, M K. University, Madurai.	History	"Marxian Philosophy"	28-11-87
32	Dr. P. Suriya narayanan, Editor, Lexicon, Tamil University, Thanjavur.	Political Science	" 1 Evaluation of an Independent India. 2 Constitution of India & Nature of Government. 3 Nature of the Indian Party System. 4 Some Thoughts on the voting Behaviour of Indians".	20-3-87 & 21-3-87
33	Dr. C.V. Rajagopal, S.N. College, Quilon.	-do-	" 1 Need for Political Secularisation in India. 2 Coalition Experiment in Kerala".	23-3-87

1	2	3	4	5
34	Prof. L C. Thanu, Principal, S.T. Hindu College, Nagercoil.	Political Science	"The role of the Intelligentsia in Democracy".	24-3-87
35	Prof. Chambi Puranick, Head, Dept of Pol. Sc., I.C.C. & C.E., Univ of Mysore, Mysore.	-do-	"1 India and her Neighbours. 2 India and Super powers & Balance of power in South Asia".	28-3-87 & 29-3-87
36	Prof. Mohit Bhattacharya, Head, Dept. of Pol. Sc., Univ. of Calcutta, Calcutta.	-do-	"Recent Trends in Public Administration"	12-10-87 to 14-10-87
37	Dr. V. Rajagopalan, Vice-Chancellor, Tamilnadu Agricultural University, Coimbatore.	Sociology	"Rural and Development"	11-11-87
38	Dr. T.K. Oommen, Prof. of Sociology, Jawaharlal Nehru University, New Delhi.	-do-	-do-	-do-
39	Dr. C. Rajagopalan, Prof. of Sociology, Bangalore University, Bangalore.	-do-	-do-	-do-
40	Prof. Devendrakumar, Vice-Chancellor, Gandhigram Rural University, Gandhigram.	-do-	"Technological Transfer for the progress of Indian society. Indian Stratification system-Forces-hardening the system-Strategies for removing the rigidity of the system.	25-8-87

1	2	3	4	5
41	Dr. P.K.B. Nayar, Prof & Head, Dept. of Sociology, Univ. of Kerala, Trivandrum.	Sociology, (P.G. Extn. centre, Palayam-kottai.)	'Coser's conflict Theory" "Sorokin's Theory of Socio-Cultural Dynamics"	22-1-87 & 23-1-87
42	Dr G. Prakash Reddy, Prof. & Head, Dept. of Social Anthropology, Sri Venkatawara University, Tirupati	-do-	"Nadel's Theory of Social Structure" "Radcliffe-Brown's Structural-Functional Theory" "Levi-Strauss' Structural Theory".	5-2-87 to 7-2-87
43	Thiru K.P. Sankaran, Regional College of Education, Mysore.	Malayalam	"Literary Criticism"	19-9-87
44	Dr. M. Thirumalai, Deputy Director, C.I.I.L., Mysore.	-do-	"Applied Linguistics"	7-10-87
45	Dr Sukumar Azhikodu, Former Pro Vice-Chancellor, Calicut University.	-do-	"Trends in Literature"	27-11-87
46	Dr. Hans Hock, Prof. of Linguistics, Univ. of Illinois, U.S.A.	Sanskrit	"Sanskrit as a Spoken Language" "Inter relationship of Sanskrit with Dravidian Languages".	14-10-87
47	Prof. J. Surya-narayana (UGC National Lecturer) Head of Dept. of Telugu, A.G. Centre, Karnool, A.P.	Telugu	"Telugu Literature"	11-12-87 to 15-12-87

1	2	3	4	5
48	Prof. K.V. Ramakoti Sastry,(UGC National Lecturer), Head of the Dept. of Telugu, Kakatiya University Warangal (A.P.)	Telugu	"1 The Nayak Kings of Madurai and their contribution to Telugu Literature". "2 Modern Trends in Telugu Literature"	24-12-87 to 26-2-87
49	Dr. V.V.L. Narasimha Rao, Director, A.P. Govt. Oriental Manuscripts Library& Research Institute, Abids, Hyderabad-1.	-do-	–	26-10-87
50	Dr. Jenny K Johnson, Instructional Designer, Univ. of Maryland, U.S.A.	Education	"1 Impact of Technology on Education". 2 Developing Curricula for training educational Technologists"	8-10-87
51	Dr. P.R. Nayar, Chairman, Dept. of P.G. Studies & Research in Education, Univ. of Mysore, Mysore.	-do-	"1 Synthesis Unifactions of theories of Learning 2 Mind and conscioussness in Psychology". 3 Quality conrol in educational Research in India."	27-2-87 & 28-2-87

1	2	3	4	5
52	Dr. Amarchand, Prof. & Head, Dept. of Commerce, University of Madras, Madras.	Commerce	" Consumerism Govt. & Business"	19-3-87
53	-do-	-do-	" V.S. Sivalingam Chettiar Endowment Lectutres"	9-10-87
54	Dr. N. Vinayagam, Prof. & Head, University of Madras. Extension Centre at Salem.	-do-	" Management Information system Marginal Costing".	20-3-87
55	Dr.C. Suyambulingom, Prof. & Head, Dept of Maths., Tamilnadu Agricultural Univ., Coimbatore	-do-	" Quantative Techniques applicable to business". Application of Computer to Business".	23-3-87
56	Dr.M.O. Mathew, Prof. & Head, Annamalai Univ., Chidambaram.	-do-	" Tourism in India Commerce Education Today with special emphasis on Research"	—
57	Dr. S.M. Sukhla, Prof. & Head, Kanpur Univ., Kanpur-	-do-	"Research and Management".	14-10-87
58	Dr.K. Gopalakrishnan, Prof. & Head, Distant Education, Annamalai Univ., Annamalainagar.	-do-	"Bank of Madura Endowment lectures."	28-10-87
59	Dr. M.P. Subramanian, Prof. & Head, Dept. of Commerce & Management Studies, Mangalore Univ., Mangalore.	-do-	"New Trends in Research."	3-12-87

1	2	3	4	5
60	Dr. H.K. Lakshman Rao, Dy General Manager, Madras Fertilizers Ltd., Madras.	Management Studies	i) 'Adoption of Quantitative Techniques in Marketing Management.' ii) The emerging challenges, threats & opportunities of marketing managers'.	21-3-87
61	Prof. Ivan Vrana, Principal, Research Fellow, Czechoslavikia Technical University.	-do-	i) Organisation of Air traffic control. ii) Higher Education in Czechoslavikia'.	24 3-87
62	Thiru Vijay Joseph Lee, Manager, SIB Division, SBI, Madurai.	-do-	'Entrepreneurial development SIB division and its activities'.	1-8-87
63	Thiru A.M Salim, Chief, State Planning Board, Govt. of Kerala, Trivandrum.	-do-	'Time Element'	3-8-87
64	Prof. R.C. Poduwal, School of Management, Cochin University, Cochin.	-do-	'Case discussions'	3-8-87
65	Thiru M.S. Thomas, A.P. of Management, DU Queshe University, Loretto.	-do-	—	14-8-87
66	Thiru Solomon Selvam, Research Scholar, City University of New York.	-do-	'Bureaucracy in USA & USSR. A comparative perspective'.	13-8-87
67	Prof. S.G. Lele, Professor, Indian Institute of Management, Bangalore.	-do-	i) 'The Human factor in management. ii) The perception in management'.	5-10-87

1	2	3	4	5
68	Thiru A. Natarajan, Dy General Manager, (Management Services)., Neyveli Lignite Corporation Ltd., Neyveli.	Management Studies	'Leadership in N.L.C.	26-9-87
69	Thiru B. Ramaraj, Dy. Director of Studies, Southern India Regl. Council of the Instt. of Charted Accountants, Madras.	-do-	'Pricing Policies & Methods'.	9-1-87
70	Thiru R Arunachalam, Plant Engg. Manager, Fenner (India) Ltd.,	-do-	'Computers and Management'.	9-1-87
71	Thiru V.S. Srinivasan, Head, MIS Dn. TVS Ltd., Madurai.	-do-	'MIS'-Its installation'.	6-2-87
72	Thiru Narayanan, Staff Training College, Madurai, (Canara Bank)	-do-	'Entrepreneurship Development'	13-2-87
73	Dr. V.P. Giri, Head, Dept. of Commerce, University of Manipur, Imphal.	-do-	—	26-2-87
74	Dr. M.A. Faroqui, Prof. & Head, Dept. of Psychology, University of Calicut.	-do-	'1 Quality of life : The students perspective'. 2 Management effectiveness in small & large organisations'.	2-3-87

1	2	3	4	5
75	Thiru J.V. Ranga Rao, Commercial Manager, OMC Computers Ltd., Secundrabad.	Management Studies	'Computer industry in India certain issues relating to Marketing'.	2-3-87
76	Dr. S.V. Vidyanandham, Saroj Computer School, Madurai.	-do-	'Simulation of performance of Thermal power plant '	10-3-87
77	Thiru V. Sreenivasan, Bharathidasan Instt., of Management, Trichy.	-do-	'Industrial Relations'	21-3-87
78	Dr. Venkoba Rao, Director, Institute of Mental Health & Psychiatry, Madurai Rajaji Hospital.	-do-	'Community Mental Health'	29-8-87
79	Thiru Yashpal Arora, Asst. Director, (S&R), A.I.M.A., New Delhi.	-do-	'Activities of the AIMA'	12-10-87
80	Thiru T.S. Vidya Sagar, Executive, Hospital Service, Hoechest India Ltd., Madurai.	-do-	'Sales management in pharmaceutical industry important issues'.	11-10-87
81	Thiru S.P. Illangovan, Commanding Officer, II Tamilnādu Naval Unit-NCC Madurai.	-do-	Computers in management'.	23-10-87

1	2	3	4	5
82	Prof. B.N. Mahrotra, Head, Dept. of Bussiness Admn., University of Jammu, Jammu.	Management Studies	—	25-2-87
83	Prof Rajagopalan Scientist-in-charge, INSDOC, New Delhi & President, Indian Library Association	Library & Information Science	"Trends in Modern Librarianship"	—
84	Dr. V. Balakrishnan, Professor, Dept. of Physics, Madras.	Physics	"Non-linear lattices".	28 2-87
85	Dr. Vikramkumar, Professor, Dept. of Physics, Bangalore	-do-	"Study of Dee levels by DITS"	23-3-87
86	Dr. J. Ramakrishna, Professor, Dept of Physics, I.I.Sc. Bangalore.	-do-	"Pulsed NMR Studies of internal motions and phase translations"	23-3-87
87	Dr. V.K. Wadhawan, BARC Bombay.	-do-	"Ferroic Crystal"	2-9-87
88	Prof. R. Srinivasan, I.I.T., Madras.	-do-	"1. Current States of Research on high temperature super conductors. 2. Flex penatration in type I super conductors."	29-10-87 & 30-10-87
89	Thiru R. Govindarajan, Research Scholar in Computer Science, I.I.Sc., Bangalore.	Computer Science	"1. Test on Computer Architecture. 2. Test on Advanced Computer Organisation".	March '87 August '87

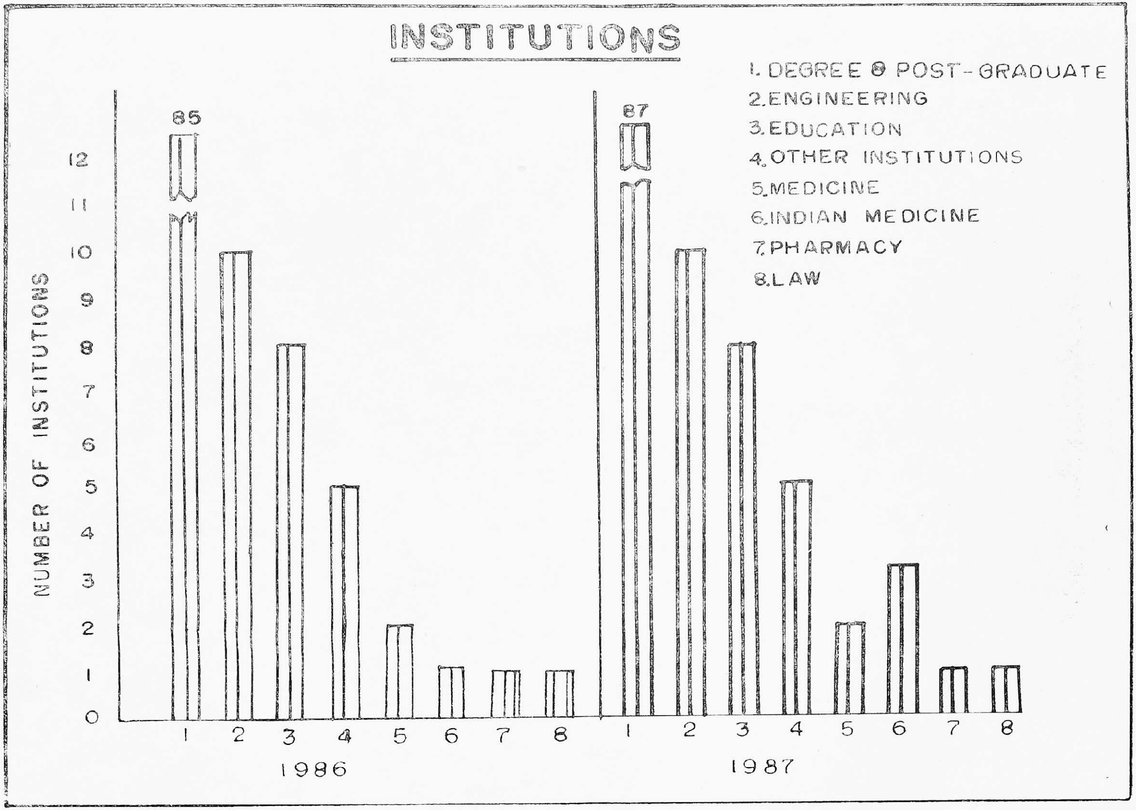
1	2	3	4	5
90	Thiru R D. Shevede, Scientist, DRDOX Computer Centre, Bangalore.	Computer Science	"Software Engineering".	April '87
91	Dr S.K. Sen, Senior Scientific Officer, Computer Centre I.I.Sc., Bangalore.	-do-	"Seminar on Computer organisation with a Test."	April '87
92	Dr. N. Parameswaran, Asst. Professor, Science & Engineering, I.I.T., Madras.	-do-	"Theory of Computations".	April '87
9	Dr. C. Pandurangan, Lecturer in Computer Science, I.I.T., Madras.	-do-	Test on Data Structures and algorithms."	April '87
94	Shri Dhene, Scientific Officer, Computer Division, BARC, Bombay.	-do-	"Test on Computer Organisation,"	May, '87
95	Dr. D.K. Subramanian, Prof of Computer Science & Automation, I I.Sc., Bangalore.	-do-	"Test on operating systems."	May '87
96	Thiru R. D. Pandian, Scientist, DRDO Computer Centre, Bangalore.	-do-	"Test on Software Engineering".	May '87
97	Dr. D.K. Subramanian, Prof. of Computer Science, I.I.Sc., Bangalore.	-do-	"Test on system Programming and test on data base systems."	Oct.&Dec. '87

1	2	3	4	5
98	Thiru S. Janardhan, Asst. Director, Computer Centre, National Aeronautical Lab. Bangalore.	Computer Scienee	Test on Computer Graphics".	Oct '87
99	Dr. S.K. Chopra, Advisor, Planning Commission, (Rural Energy)	Energy, Environment and Natural Resources.	"Energy modelling".	January, 87
100	Dr. R. Surya-narayanan, Scientist, CNRS, France.	-do-	" High temperature super conductors".	3 8-87
101	Dr. V. Krishna-moorthy, Scientist, ICMR, Bangalore.	-do-	"Air Pollution Studies".	—
102	Dr. O.P. Vimal, Director, (Bio-mass) Dept. of Non-Con-ventional Energy Sources. Ministry of Energy, New Delhi.	-do-	"Bio-Energy Seenario in India."	13-11-87
103	Dr. A. Thomas, Principal, Scientific Officer, Regional Instru-mentation Centre, Bangalore.	USIC	"To create interaction in various activities of Instrumentation centres" on the Management Advisory Committee of the South Zone USIC of University Grants Commission, New Delhi.	16-7-87
104	Prof.G Neuweiler, Zoologisches, Institute der Univ. Luisenstr 14, D-8000 Munich 2 West Germany.	Animal Behaviour and Neurophy-siology	"Echolocation in bats".	23-9-87 to 29-9-87

1	2	3	4	5
105	Prof. S. Dean, Zoology, University Groningen, Karklaan30 The Netherlands.	Animal Behaviour & Neuro-Physiology	"Human circadian Rhythms".	21-11-87 to 6-12-87
107	Dr.A.N. Malaviya, A.I.I.M.S., New Delhi.	Immunology	"Immunodiagnosis in Clinical Medicine"	19-1-87
107	Dr. U. Sengupta, Deputy Director.	-do-	Immunodiagnosis of leprosy Immuno Prophylaxis for leprosy".	23 2-87 to 24-2-87
108	Dr. J.L. Strominger, Haward University, USA.	-do-	"Molecular Basis of Immune - Immune Recognition".	12-3-87
109	Dr. G. Jayaraman, Prof. of Biomechanics, Michigon Tech Univ. USA.	-do-	"Prevention of injuries-Role of Biomechanics".	29-8-87
110	Dr. C.N.Paramasivam, Dy. Director, TRC.	-do-	"Studies which led to the development of mcab production."	13-11-87
111	Dr.C.N. Paramasivam, Asst. Director, Tuberculosis Research Centre, Spurtank Road, Madras.	-do-	Recent advance in the development of vaccines with special reference to diarrhoeal diseases".	14-11-87
112	Dr. Francesco, Sinigaglia, F.Hoffman La Roche & Co. Ltd., Basle, Switzerland.	-do-	"A series on lecture on T-cell cloning".	4-11-87 -do- 12-11-87
113	Dr.P.K.Gosh, Director, DBT, New Delhi.	-do-	"Visited the lab.	7-11-87
114	Dr.T.P. Tewary, Governor, Pondicherry.	-do-	"Valedictory address for the Hybridome Workshop".	

1	2	3	4	5
115	Dr. K. Venkatasubramanian, Vice-Chancellor, Pondicherry Univ., Pondicherry.	Immunology	"Presided the validictory meeting of the Hybridoma workshop".	20-11-87
116	Dr. Victor V.Lozenko, Consul, Science & Technology, Cunsulate General of the USSR in Madras.	do-	"Visited the Lab.	Oct. '87
117	Dr. Veran Shah, U.G.C. New Delhi	-do-	"Research & Clinical application of Flow cytometry".	10-12-87
118	Dr. Kamal K. Nittal, Chief, Laboratory of Transplanation Biology, Food & Drug Admn., NIH Building 29, Bethesda, Maryland,	Unit of Immuno-Genetics.	1 "Definition of Newer specificities". 2 The role of MHC in cell". interaction and immune surveillance of a host". 3 "HLA and Disease".	26 10-87 to 28-10-87
119	Dr. Dharm P. Singhal, Prof. of Pathology, MC Master University, Hamilton, Ontario LEN, Canada.	-do-	1 "HLA Over view". 2 Blood transfusions & Transplanations". 3 RFLP, HLA & Disease association". In national symp. on HLA	-do-
120	Dr. Gauthier Rehman, Professor, Institute'd Immunobiologic Hospital Broussais, Paris, France.	-do-	"MHC in cell mediated immune response". In National symp. on HLA".	-do-
121	Dr. Moudgil, Prof. of Anaesthesiology, MC Master University, Hamilton, Ontario, Canada	-do.	1 Anesthesis & immune response.	

1	2	3	4	5
115	Dr. K. Venkatasubramanian, Vice-Chancellor, Pondicherry Univ., Pondicherry	Immunology	"Presided the valedictory meeting of the Hybridoma workshop"	20-11-87
116	Dr. Victor V. Lozenko, Consul, Science & Technology, Consulate General of the USSR in Madras	-do-	Visited the Lab.	Oct. '87
117	Dr. Veran Shah, U.G.C. New Delhi	-do-	"Research & clinical application of Flow cytometry".	10-12-87
118	Dr. Kamal K. Mittal, Chief, Laboratory of Transplantation Biology, Food & Drug Admn., NIH Building 29, Bethesda, Maryland	Unit of Immuno-Genetics.	1 "Definition of Newer specificities". 2 The role of MHC in cell-cell" interaction and immune surveillance of a host". 3 "HLA and Disease"	26-10-87 to 28-10-87
119	Dr. Dharam P. Singhal, Prof. of Pathology, McMaster University, Hamilton, Ontario L8N, Canada.	-do-	1 "HLA Over view". 2 Blood transfusions & Transplantations". 3 RFLP, HLA & Disease association". In national symp. on HLA	-do-
120	Dr. Gauthier Rebman, Professor, Institute d'Immunobiologie Hospital Broussais, Paris, France	-do-	1 "MHC in cell mediated immune response" In National symp. on HLA".	-do-
121	Dr. Mandell, Prof. of Anaesthesiology, McMaster University, Hamilton, Ontario, Canada	-do.	1 Anaesthesis & immune response.	



INSTITUTIONS
1. DEGREE & POST-GRADUATE
2. ENGINEERING
3. EDUCATION
4. OTHER INSTITUTIONS
5. MEDICINE
6. INDIAN MEDICINE
7. PHARMACY
8. LAW
NUMBER OF INSTITUTIONS
85
87
1986
1987

APPENDIX—E

Statistics and information relating to

Sl. No.	Name of the College & Year of Estt.	Management	Name of the Principal	Course taught	Students enrolment Men	Women	Total	No. of Students belonging to OC.	BC.	SC/ST
1	2	3	4	5	6			7		
Affiliated Institutions : Arts and Science Colleges :										
1	The American College, Madurai-625002 Phone No. 43387 1881 A.D.	American College Governing Council	Thiru D. Peter Jayapandian, M.Sc., M.S., Ph.D., (Ohio)	Part-I Tamil/ Hindi/French B.A. Eco., Philo & Relig Eng. Tamil B.Sc , Special Maths. Phy. Chem. Zoo. Bot. (General) B.Com. M.A. Tamil. Engg. Eco. M.Sc. Math. Phy. Chem. Zoo. Bot. M.Phil. Zoo.	1131	84	1215	389	634	192
2	Arul Anandar College, Karumathur 626514 Phone No. 6721 1970.	Society of Jesus	Rev. Fr. J. L Gnanarethinam, S. J. M.Sc., Ph.D.	B.A. Eco., Hist. Philosophy B.Sc. Maths, Chem. Rural Development Science, M.A. Philosophy, Eco., M.Sc Rural Development.	724	4	728	78	561	89
3	Cardamom Planters' Association College, Bodinayakanur-625513 Phone No. 209 1974	Cardamom Planters Association College Society	Thiru J.D. Paul Jeyaraj, M.A., D.T.E.	B.A. Hist. Eng. Eco. BSc. Maths. Chem. B.Com. M.Sc. Maths M.Com.	554	113	667	25	568	74

affiliated colleges for the year 1987.

Strength of Students residing in the hostel			No. of SC/ST Students residing in the hostel			N.C.C./N.S.S.			No. of Foreign Students	Staff Strength			Library		REMARKS
Men	Women	Total	M	Women	Total	Men	Women	Total		Men	Wome	To:al	Total No. of books Library stock as on 1-1-1987	No. of books added during the year 1987	
	8			9			10		11		12		13		14
369	39	408	68	4	72	NCC 150	—	150	7	129	—	129	80051	3019	(Autonomous)
						NSS 300	—	300							(Including Part-time Lecturers and Medical Officer)
310	—	310	62	—	(2	NCC 60	—	60	1	65	—	65	16967	1209	
						NSS 200	—	200							(Autonomous)
59	—	59	33	—	33	NCC 100	—	100	4	34	4	47	11734	254	
						NSS 50	—	50							(Including Part-time Lawyer)

1	2	3	4	5	6			7		
4	E.M. Gopala- Krihna Kone Yadava Women's College, Madurai 625 014 Phone No 41647 1974	EMG Yadava Women's College Governing Council	Tmty. Narmatha Santha kumar M.A.	B.A. Eng. Hist. B.Sc., Maths Zoo. B.Com.	—	538	538	106	360	72
5	Fatima College, Mary Land, Madurai - 625 018 Phone No. 43429 1953 (Madras University) 1966 (M.K.U.)	St. Josephs Educational Society, Madurai.	Rev. Sr. Marie Teresa M.Sc. M.Phil.	Part I Tamil/ Hindi/French/ Sanskrit B.A. Tamil Eng. Eco. His., Socio., B.Sc. Maths., Phy., Chem. Zoo. Home Science B.Com. M.A. Eco. Tamil M.Sc. Phy. M.Com.	—	1399	1399	463	826	110
6	Government Arts College Melur-625106 Phone No. 2667 1969	The Director of Collegiate Education, Madras		B.A. Tamil Eng., Hist. Eco. B.Sc. Maths. Chem. Zoo. B.Com. M.A. Hist. (Part-time) Cert. & Dip. Course in Gandhian Thought	656	83	739	47	544	148
7	Hajee Karutha Rowther Howdia College, Uthama palayam 626 533 Phone No. 25 1956	H.K.R.H. College Govening Committee.,	Thiru S.A. Syed Abdullah, M.A.	Part-I Tamil/ Arabic B.A. Eco. His. Eng. B.Sc. Maths. Phy. Chem. Zoo. B.Com. M.Com. M.A. Hist.	856	—	856	60	641	155

8	9	10	11	12	13	14
– 106 106	– 21 21	NSS – 200 200	– 4	36 40	3392 185 (Including Part-time Lecturers)	
– 345 345	– 37 37	NCC – 80 80 NSS – 420 420	8 –	99 99	51104 1358 (Including Part-time Asst. Professor)	
96 – 96	48 – 48	NSS 200 – 200	2 52	5 57	19987 624	
129 – 122	63 – 63	NCC 60 – 60 NSS 200 – 200	– 66	– 66	22035 1810 (Including Part-time Asst. Prof. of Phy. Edu.)	

1	2	3	4	5	6	7
8	Jayaraj Anna-packiam College for Women, Periakulam 626562 Phone No. 272 1971	St. Annes Congrega-tion, Tiruchi-rappali	Sr. T. Canisus M.A.	B A. Hist. Eng. Tamil B.Sc. Maths. Zoo. Phy. Chemistry B.Com., M.A. Hist. M.Sc. Maths.	— 846 846	88 646 109
9	Lady Doak College, Madurai 625002 Phone No. 43222 1948	Lady Doak College, Govening Council	Selvi Shanthi Manuel M.A. Dip. in German	Part-I Tamil/ Hindi/ French B.A History Social Sciences, Tamil, Eng., Eco., B.Com. B Sc Maths Chem. Bot. Phy. Zoo. M.A. Tamil Eng. Eco. Hist. M.Sc. Maths	— 1058 1058	313 673 72
10	Madura College, Madurai-625011 Phone No. 22454 1889.	Madura College Board	Thiru K. Rama-moorthy M.A., M.Sc. Ph.D.	Part-I Tamil/ Hindi/ Sanskrit B.A. Eco., Sociology Eng. Philos B Sc. Maths Phy. Chem. Bot. Zoo. B.Sc , computer Science B.Com. M.Sc. Maths Phy. Chem. Bot.	1217 66 1283	429 709 145

8	9	10	11	12	13	14
— 460 460	— 30 30	NCC — 80 80 NSS — 350 350	1	68 — 68	13873 **(Including Part-time Lawyer)**	510
— 289 289	— 40 40	NSS — 435 435	7	— 102 102	49772 (Autonomous)	1026
135 — 135	47 — 47	NCC 78 — 78 NSS 200 — 200	—	104 3 107	50000 (Autonomous)	600

1	2	3	4	5	6			7		
11	Madurai Institute of Social Work, Madurai-625 002. Phone No. 41977. 1969	Private Aided	Thiru D.V.P. Raja, M.A. D.S.S.A. Ph.D., D Litt.	M.A, Social work P.G. Dip. in personnel Management and Industrial Relations. P.G. Dip. in Counselling (Part-time)	57	16	73	25	38	10
12	Mannar Thirumalai Nuicker College, Madurai. 625 004 Phone No. 8140 1974	Manner Thirumalai Naicker College Committee	Thiru V. Rama Subramanian M.A,	B.A., Eng. Hist. Eco, B.Sc. Maths. B.Com. B.B.A. M.Sc. Maths M.Com.	675	173	848	132	644	72
13	Muqyyath Sha Sirguro Wakf Board College, Madurai-625020 Phone No. 41898 1968	M.S.S. Wakf Board College Govering Body	Thiru H. Kader Masthan, M.Sc. M.Phil.	Part-I Tamil/ Arabic/Urdu B.A. Eco. Hist. B,Sc. Maths. Phy. Chem. Zoo. B.Com. M,A. English M.Com.	1039	—	1039	60	814	165
14	Nadar Mahajana Sangam S. Vellaichamy Nadar College, Nagamalai, Madurai-625019 Phone No. 26087 1965	Nadar Mahajana Sangam S. Vellaichemy Nadar College Managing Board	Thiru K. Subbiah M.A., M.Sc.	B.A. Eco. Hist. Eng. B.Sc., Maths, Chem. Zoo. Phy., Computer Science, B.Com. B.B.A. M.A. Hist. M.Sc. Phy. M.Com.	1105	119	1224	112	994	118

8			9			10			11	12			13	14
						NSS								
29	—	29	7	—	7	57	16	73	—	14	1	15	4273	1020
						NSS								
NO COLLEGE HOSTEL			—	—	—	100	100	100	1	44	9	53	23542	450 (including Phy. Director Librarian Part - time Lecturers)
						NSS								
41	—	41	15	—	15	100	—	100	7	67	—	67	18603	689 (Including Part-time Lecturers)
						NCC								
450	7	457	53	—	53	50	—	50	—	80	2	82	23542	450
						NSS								
						300	—	355						

1	2	3	4	5	6			7		
15	Pasumpon Muthuramalinga Thevar College, Usilampatti-626532 Phone No. 216 1968				PRTICULARS					
16	Saraswathi Narayanan College, Madurai-625 022 Phone No, 33635 1966	Narayanan Chettiar Trust.	Thiru K.S. Sundararajan M.Sc. Ph.D.	B.A. His. Eng. B.Sc. Maths. Phy. Chem. Bot. B.Com. M.A. Eng. Eco. M.Sc. Chem. Bot. M.Com. M.Phil. Bot.	898	—	898	155	629	114
17	Senthamil College, Madurai-625 001 Phone No. 37097 1901	Madurai Tamil Sangam.	Thiru K. Durairaj, M.A. M.Phil.	B A. Tamil B.Litt. M.A. Tamil M.Phil Tamil	32	82	114	22	81	11
18	Sourashra College, Pasumalai, Madurai-625 004 Phone No.8242 1967	Sourashtra College Council 1967	Thiru G R. Balakrishnan, M.A.,Ph.D.,	B A Part I/ Tamil/Hindi Sanskrit B.A. Eng., Eco. B Sc. Maths, Phy. Chem. B.Com. B.B A, M.A. Eng. M.Sc. Maths M.Com.	1029	365	1394	—	—	—
19	Sri Meenakshi Govt. College for Women, Madurai-625 002 Phone No. 43988 1965	Govt. of Tamilnadu	Tmty A.Gomathy, B.A. (Hons) M.Phil.	B A. Hist. Tamil Eco. (Spl) Eng. B Sc. Maths. Phy. Chem. Zoo. Geog. Home Science, B Com. M.A. Hist. Eco. M.Sc. Geog. Maths.	—	2106	2106	320	1413	373

8	9	10	11	12	13	14
		NOT RECEIVED FROM THE COLLEGE				
284 – 284	75 – 75	NCC 50 -- 50 NSS 175 – 175	– 75	— 75	26412 (Including part-time teachers)	1240
NO COLLEGE HOSTEL	2 3 5	NSS 28 74 102	1 9	6 15	5451	97
103 — 103	12 — 12	NCC 55 — 55 NSS 200 100 300	– 75	— 75	23514	1416
— 355 355	— 195 195	NCC — 80 80 NSS — 300 300	16 —	150 150	36106	1616

1	2	3	4	5		6			7	
20	Sri Sathguru Sangeeth Vidyalayam, Madurai 625002 Phone No. 42957 1971	Sri Sathguru Sangeetha Vidyalayam	Tmty. V. Premalatha, M.A. Ph.D.	B.Mus. M Mus.	9	61	70	56	14	—
21	Tamilnadu Theological Seminary Madurai- 625010 Phone No 27352 1969	Governing Board, Tamilnadu Theological Seminary	Rev. Sonny Yesudian, M.A., B.D., M.Th ,	M A., Philosophy and Religion P.G. Dip. in Communication Cert. Course in German	15	1	16	4	11	1
22	Thiagarajar College, Madurai- 625009 Phone No. 22175 1949	Kalithan thai Karumuttu Thiagarajar Chettiar Memorial Charitable Trust	Thiru SP. Annamalai B. O. L. (Hons) M.Litt. Ph.D.	B.A. Engg. Tamil Eco. B.Sc. Maths. Phy. Chem. Bot. Zoo. Computer Science B.Com. B.B.A. M.A. Eng. Tamil, Eco. M.Sc. Maths. Chem. Zoo. Bot. Phy. M.Phil. Tamil Eng. Zoo. & Bot.	1184	140	1324	193	941	190
23	Vivekananda College, Tiruvedakam West, 624217 (via) Shola- vandan, R.S. Phone No. 34 1971	Sri Rama- krishna Tapovanam, Tirupparait- turai.	Thiru K. Subrah- manyam M.A. M.Phil. Ph.D.	Part-I Tamil/ Sanskrit, B.A. Eco. Hist. B Sc. Phy. Maths. Chem., Zoo. Bot B.Com. M.Sc. Zoo.	615	—	615	179	419	17

8			9			10			11	12			13	14
(NO HOSTEL)			—	—	—	—	—	—	—	3	14	17	2928	—
13	1	14	1	—	1	—	—	—	—	7	—	7	1000	300
300	—	300	98	4	102	NAVY 90 ARMY 90 NSS 106	 — — —	 90 90 106	2	108	8	116	57645 (Autonomous)	1399
615	—	615	17	—	17	NCC 200 NSS 150	 — —	 200 150	—	54	—	54	15580 (Autonomous)	478

1	2	3	4	5		6			7	
24	Yadava College, Madurai-625 014 Phone No. 42362 1969	Yadava Education Fund	Thiru M. Tamilkudi-magan, M.A., Ph.D.	B.A. Tamil Hist. B.Sc., Maths. Zoo. Chem. B.Com. M.A. Tamil M.Sc. Zoo. M.Com. M.Phil Tamil Ph.D. Tamil	832	33	865	38	659	168
25	College of Gandhian Thought, Gandhi Smarak Nidhi. Madurai-625 020. Phone No. 43000 1968	Tamilnad Gandhi Smarak Nidhi	Thiru S.Pandian M.A.,B.L., D.G.T.	Cert. and Dip. Courses in Gandhian Thought	67	27	94	—	—	11
26	College of Gandhian Thought, Gandhi Niketan Ashram, T. Kallupatti-626 702 Madurai Dt. Phone No. 21 1940	Gandhi Niketan Ashram	Thiru K.Muniandi B.A., L.T.	Cert. and Dip. Courses in Gandhian Thought	40	—	40	9	26	5
	Business Management									
27	Thiagarajar School of Management, 7,Andalpuram, T.P.K. Road, Madurai-625 003 Phone No. 24824 1962	Thiagarajar Educational Trust.	Thiru R. Purna-chandra Rao B.Sc., M.B.A. (Penn U.S.A.)	M.B.A. Full-time & Part-time	173	11	184	59	118	7

8	9	10	11	12	13	14
336 — 336	84 — 84	NCC 50 — 50 NSS 200 — 200	7 65	3 68	25377	1429 (Including Part-time Lecturers)
NO HOSTEL	— — —	— — —	— 6	— 6	404	—
NO HOSTEL	— — —	— — —	— 4	— 4	—	—
NO HOSTEL	— — —	— — —	1 15	2 17	2192	180 (Including Part-time Lecturers)

1	2	3	4	5	6	7
Engineering						
28	Thiagarajar College of Engineering, Madurai-625015 Phone No. 8431 (4 lines) 1958	Kalaithanthai Karumuttu Thiagarajar Chettiar Memorial Charitable Trust	Thiru PL. Meiyappan M. S. (Illions)	B.E. 4 years Civil, Mechanical, Electrical Electronic & Commn. Computer Science B.E. (Part-time) Civil, Mechanical, Electrical, B.Sc. appl Sc M.Sc. applied Maths. M.Sc., Applied Chemistry M.E. Civil, Electl.	1509 463 1972	413 1347 212
Medicine						
29	Madurai Medical College, Madurai-625 020 Phone No. 43231 to 43239 1954	Government of Tamil Nadu	Thiru R Ramamoorthy, M.D Dean	M.B.B S. B. Pharmacy M. Pharmacy P.G. Dip. in Medicine M.Ch., M.D.M.S.	773 515 1288	Particulars not received
30	Aravind Eye Hospital. No. 1, Anna Nagar, Madurai-625 020 Phone No. 43301 1977	Run by Govel Trust	Thiru G. Venkataswamy. M.S., F.A.M.S. (Director)	Dip. in Ophthalmology, M S. Ophthalmology	6 6 12	8 4 —

8	9	10	11	12	13	14
486 167 653	45 17 62	NCC 200 — 200 NSS 250 100 350	—	85 8 93	44234 2229 (Autonomous)	
390 210 600	74 36 110	NCC 81 – 81 NSS 200 — 200	–	224 52 276	231786 19861	
– 3 3	— — –	– — –	—	13 4 17	2648 1089	

1	2	3	4	5	6			7		
31	K.M. College of Pharmacy, Uthangudi, Melur Road, Madurai-625107 Phone No. 42874 1981	Correspondent, K.M. College of Pharmacy	Thiru M. Nagarajan M Pharm	B. Pharmacy 4 year course	78	14	92	7	85	—
Indian Medicine										
32	Govt. Homoeopathi Medical College and hospital Thirumangalam-626706 Madurai (Dt) Phone : 274 1975 (1987 Affiliated with M.K.U.)	Govt of Tamil Nadu	Thiru S. Radha-Krishnan, B.A., D.M.S. M.B.S.	B.H.M.S	26	30	56	11	35	10
Education										
33	St. Justin's Teacher's College for Woment, Madurai 625009 Phone. No. 32012 1968	Congregation of the Immaculate conception	Sr. James Celine, M.S.c, M.Ed.	B.Ed.	-	100	100	24	63	13
34	Thiagarajar College of Preceptors, Madurai-625009 Phone No. 22682 1956	Thiagarajar College Endowment Trust	Thiru S. Soundarajan M.A., M.Sc, M.Ed.,	B.Ed.	38	62	100	29	53	18

8			9			10			11	12			13	14
						NSS								
56	9	65	–	–	–	45	–	45	12	13	10	23	869	144
36	–	36	8	–	8	–	–	–	–	11	4	15	1235	298 (Excluding 1. Asst. Supdt. and 1. Lady Physican)
–	37	37	–	8	8	–	–	–	–	5	–	5	5677	66 (Including part-time P. E. T.)
–	6	6	–	6	6	–	–	–	–	8	–	8	9933	48

1	2	3	4	5	6			7		
Law										
35	Madurai Law College Madurai-625 020 Phone No. 43395 1974	Govt. of Tamil Nadu	Thiru J. Paul M.A.,M.L.,	B.L. M.L.	1098	98	1196	360	597	239
ANNA DISTRICT :										
36	Arulmigu Palaniandavar College of Arts & Culture, Palani-624602 Phone No. 2247 1963	Arulmigu Dhandayuthapani Swamy Thirukkoil Palani	Thiru P.S.Chandrasekaran M.A., D.S.S.	B.A. Hist. Eco., Tamil Eng. Indian Culture, B.Sc. Maths Phys. Chem. Bot. Zoo. B.Com. M.A. Tamil Eng. Eco. Hist. Indian Culture M.Sc. Bot. Phy. Chem. Zoo. M.Com.	1114	70	1184	127	927	130
37	Arulmigu Palani andavar Arts College for Women, Palani-624615 Phone No. 428 1970	Arulmigu Dhandayuthapani samy Thirukkoil, Palani.	Tmty. J. Chandrakanatha, M.Sc. Ph.D.	B.A. Tamil Eng. Hist. B.Sc. Maths Phy. Chem. Bot., Zoo., B.Com. M.A. Tamil, Hist. M.Sc. Zoo.	–	688	688	83	522	83
38	G.T.N. Arts College G.T.N. Nagar, Dindigul-624004 Phone No.3499 1964	G.T. Narayanaswamy Naidu Charities Trust	Thiru G. Shanmugasundaram M.A., M.Sc. M.Phil.	B.A. Hist. Eng. B.Sc. Maths, Phy., Chem. Zoo. B.Com. M.Com.	630	69	699	109	533	57

8			9			10			11		12		13	14
						NSS								
46	12	58	8	2	10	329	31	360	—	21	5	26	18195	260
						NCC								
65	26	91	7	3	10	90	—	90	—	124	4	128	53727	1159
						NSS								
						200	—	200					(Including Part-time Asst. Professors)	
						NCC								
—	247	247	--	50	50	—	200	200	—	—	15	15	2200	2000
						NSS								
						—	50	50					(Including Part-time Lawyer)	
						NCC								
43	—	43	4	—	4	85	—	85	—	52	2	54	23909	1016
						NSS								
						267	33	300					(Including Part-time Asst. Prof.) (Autonomous)	

1	2	3	4	5	6			7		
39	M.V. Muthiah Govt. Arts College for Women, Dindigul 624008 Phone No 4011 1966	Govt. of Tamilnadu	Selvi V.A. Vasantha M.A. Ph.D.	B A. Hist., Eco. Tamil Eng., B.Sc. Maths. Chem., Zoo Geog. B.Com. M A. English Tamil	—	866	866	462	262	142

Approved Institutions : (Teaching / Certificate / Diploma Courses)

1	2	3	4	5	6			7		
40	Christian Community Health and Development Training and Research Institute, Santhipuram Ambilikkai-624612 Anna Dt.	Christian Fellowship Community Health Centre	Thiru Ramachandran, M.B.B.S., D. P, H., D.I.P.H.	P. G. Dip. in Applied Nutrition & Dietics Cert. in Rural Development	8	13	21	13	8	—
41	The Gandhigram Institute of Rural Health and Family Welfare Trust Ambathurai (PO) R.S. Gandhigram 624309 Phone No (346 & 347)	The G. I. R H & F.W.T.	Thiru J. K. Dhas M.B B S , D.P.H (Director)	P.G. Dip. in Health Education and Applied Nutrition & Dietetics	30	11	41	—	—	—

Engineering

1	2	3	4	5	6			7		
42	P.S.N.A. College of Engg. & Technology, 6, Murugabavanam, Dindigul 624010 Phone No. 3933 1984.	Sri Renga Lakshmi Educational Trust, Madras	Thiru W. P. Vijayaraghavan M.E.F.I E.	B.E. Civil, Mechl. Elect. and Communication	518	181	699	148	476	75

8			9			10			11		12		13	14
—	148	148	—	65	65	— —	NCC 100 NSS 300	100 300	—	—	78	78	25333	644
5	12	17	—	—	—	—	—	—	—	12	—	12	870	60 (Including Part-time teachers)
28	10	38	—	—	—	30	NSS 11	41	3	16	3	19	8369	260
88	129	217	10	16	26	140	NSS 80	220	4	27	10	37	723	201

1	2	3	4	5	6			7		
43	Ratnavel Subramaniam College of Engg & Technology Dindigul 624004 Phone No. 6003 1984 Anna Dt	Ratnavel subra-maniam Educational Trust	Thiru K.M. Karup-pannan B E. M.Sc., (Engg.) Ph.D.	B.E. Civil, Mechanical Engg., Computer Engg.	457	90	547	154	352	41
Education :										
44	Lakshmi College of Education, Gandhigram PO. 624 302 Ambaturai R.S. Phone No. 337 (Chinnalapatti) 1967	Gandhigram Trust	Thiru G. Pankajam, M.Sc. M.Ed., Ph.D.	B.Ed., M.Ed., M.Phil.. (Full & Part-time)	38	81	119	8	93	18
Indian Medicine :										
45	Govt. Siddha Medical College, Palani-624601 1985.	Director of Indian Medical & Homeopathy, Madras	Thiru I. Veluchamy M. D. (Siddha)	BSM & S	79	67	146	13	101	32
KAMARAJ DISTRICT :										
46	Ayya Nadar Janaki Ammal College, Sivakasi 626123 Phone No. 22100 1963	Ayya Nadar Janaki Ammal College Committee	Thiru A. Pownraja M.A., M.Phil. Ph.D.	B A. Eco., B Sc. Maths Phy. Chem. Bot. Zoo. Computer Science BBA B.Com. M.A. Tamil M.Sc. Maths Chem. Phy. Bot. Zoo. M.Com. M.Phil. Tamil Maths, Phy, Chem, Zoo.	1040	5	1045	89	870	86

	8			9			10		11		12		13	14
276	69	345	75	25	100	75	NSS 25	100	10	33	9	42	2351	3136
27	77	104	—	18	18	—	—	—	—	5	6	11	3572	63
—	—	—	19	13	32	—	—	—	—	9	—	9	23	—
366	—	366	49	—	49	NCC 100 NSS 200	 — —	 100 200	96	2	98	298	31613 (Including Part-time Asst. Professors)	1185

1	2	3	4	5	6			7		
47	Devanga Arts College, Aruppukottai 626101 Phone No. 387 1970	Aruppu- kottai Town Devangar Uravin murai	Thiru D. Parames- waran M.Sc.	B,A. Tamil Eng. Hist. Eco. B.Sc. Maths. Chem. Phy., B.Com.,	497	144	641	30	532	79
48	Rajapalayam Raju's College, Rajapalayam 626117 Phone No. 2767 1973	Rajapala- yam Raju's College Governing Council	Thiru G. Venkatesan, M.A. M.D.P.A. Ph.D.	B.A. Hist. B.Sc. Phy. Chem. Maths B.Com. M.A. Hist. M.Com.	552	—	552	95	360	97
49	Saiva Bhanu Kshatriya College, Aruppukottai 626 101 Phone No. 328 1970	S.B.K. College, Managing Board	Thiru P. Rajadurai M.A., B.Ed. M.Phil	B.A. Eng. Hist. B.Sc. Chem. Maths Zoo. B.Com. M.Sc. Maths. M.Com.	365	32	397	20	330	47
50	Sri S. Rama- samy Naidu Memorial College, Sattur 626 203 Phone No. 326 1970	Managing Committee Sri Rama swamy Naidu Memorial College Sattur	Thiru V. Rama- samy M.A.	B.A. Eng. Hist. B.Sc. Maths. Phy. Chemistry Zoology B.Com. M.Sc. Maths M.Com.	786	–	786	16	638	132
51	The Standard Fire Works Rajaratnam College for Women, Sivakasi Phone No. 389 1968	Standard Fire Works Educa- tional & Charitable Trust	Selvi R. Gowram mal, M.A., M.Phil.	B.A. Hist. Eng. Tamil B.Sc. Maths, Chem Bot., Phy, Computer Science B.Com. M.A. Eng. M.Sc. Maths. Chem.	—	743	743	81	589	73

8			9			10			11	12			13		14
95	—	95	42	—	42	NCC 60	—	60	—	44	6	50	10331	449	
						NSS 168	43	211					(Including Part-time Lecturers)		
48	—	48	20	--	20	NCC 50	—	50	--	44	—	44	10904	1113	
						NSS 200	—	200					(Including Part time Staff and Librarian)		
77	–	77	13	--	13	NCC 70	-	70	—	42	—	42	10932	214	
						NSS 87	20	107							
309	–	309	93	—	93	NCC 50	—	50	—	52	—	52	11916	1003	
						NSS 207	—	207							
—	177	177	–	32	32	—	NSS 200	200	—	70	70	—	17113	270	
													(Including Part-time Lecturers)		

1	2	3	4	5	6			7		
52	V.H.N. Senthi- kumara Nadar College, Virudhunagar 626 001 Phone No. 3043 1947	V.H.N.S.N. College, Paripalana Sabai Virudhu- nagar.	Thiru P. Naga- rajan, M.Com. M.B.A.	B.A. Tamil Eng. Eco. Hist. B Sc. Maths. Phy. Chem. Bot Zoo. Compu- ter Science B.Com., B.B.A., M.A. Eng. M.Sc., Maths. Phy. Chem. Bot. Zoo. M.Com. (Regular) M.Phil. Chem. M.Phil (part-time) Chem. Zoo.	1426	–	1426	76	1110	240
53	V.V.Vannia- Perumal College for Women, Virudhunagar 626 001 Phone No. 3540 1962	V.V.Vannia- Perumal Pengal Kal- loori Mana- ging Board	Tmt. G. Anushiya Devi, M.A. B.T.	B.A. Hist, Eng. Tamil B.Sc. Maths Chem. Phy. Zoo., Computer Science, Home Science, B.Com. M A. Eng. Hist. M.Sc. Maths. M.Com.	--	1198	1198	112	990	96

Engineering

54	Arulmigu Kalasalingam College of Engineering, Krishnankoil, 626 138 Phone No. 33 (Kunnor) 1984	Kalasalin- gam and Ananda- Ammal charities	Thiru R.C. Janaka- rajan, B.E., M.Sc. (Engg.) Ph.D.	4 year B.E. Civil Engg. Mechl. Engg. Computer Engg.	666	19	685	141	464	80

8	9	10	11	12	13	14
589 — 589	145 — 145	NCC 100 — 100 NSS 300 — 300	— 116	– 116	58878 (including Part - time Asst. Prof.)	469
— 829 829	— 59 59	NSS — 200 200 NCC — 80 80	— 1	92 93	29281 (Including Part-time Lawyer[Men])	761
256 — 256	12 — 12	NSS 200 — 200	— 27	3 30	3526	581

1	2	3	4	5	6			7		
55	Mepco Schlenk Engineering College, Amathur(Po). Sivakasi 626 005 1984	Mepco. Schlenk Charities.	Thiru G. Shanmugam B.E., M.S. (Purdue) D.S.S.	B.E. Civil Engg. Ele. & Electronics, Electronics & Communi-cation Computer Engg.	547	78	625	137	441	47

PASUMPON MUTHURAMALINGAM DISTRICT

1	2	3	4	5	6			7		
56	Alagappa Govt. Arts College, Karaikudi 623003 Phone No. 2523 1947	Govt. of Tamilnadu	Thiru G. Selva Gnanapathy, M A.,	Part-I Tamil Sanskrit/Hindi B.A. Hist. Eco., Tamil, B.Sc Maths. Phy , Chem. Bot. Zoo. Geology, B.Com.	1065	137	1202	232	780	190
57	Arumugam Pillai Seethai Ammal Colleeg, Tiruppattur 623211 Phone No. 42 1965	Arumugam Pillai Seethai Ammal Trust	Thiru M Bala-sundara-vathanam M.A.	B.A. Eco., Hist. Eng. B.Sc. Maths. Phy. Chem. Zoo Computer Science, B.Com. B.B.A. M.A., Eco.	1092	181	1273	224	871	178
58	Dr. Zakir Hussain College, Ilayangudi 623 702 Phone No. 52 1968	Dr. Zakir Hussain College Society, Ilayangudi	Thiru K. Mohideen Pathusda, M.A.	Part I Tamil / Arabic B.A Eco. B,Sc. Chem., Zoo., Maths. B.Com., M.Com.	420	—	420	44	346	30

8			9			10			11		12		13		14
							NSS								
330	--	330	22	1	23	70	24	94	—	10	1	11	1780	820	
							NCC								
216	2	218	65	—	65	80	--	80	2	73	6	79	43601	533	
							NSS								
						232	90	322					(Including Part-time Lecturer)		
							NCC								
377	—	377	113	—	113	60	—	60	4	77	5	82	18474	1113	
							NSS								
						175	35	210					(Including Part-time Lecturers)		
							NSS								
47	—	47	23	—	23	200	—	200	—	45	—	45	16032	272	
							NCC								
						80	—	80							

1	2	3	4	5	6			7		
59	Raja Dorai-singam Govt. Arts College, Sivaganga, 623560 Phone No. 235 1947	Govt. of Tamilnadu	Thiru V.B.S. Rajan, M.A., M.Sc., Ph.D.	B.A. Hist. Eco., BSc. Maths Phy. Chem. Zoo. B.Com.	741	186	927	121	664	142
60	Seethalaksmi Achi College for Women, Pallattur 623107 (Chettinadu) Phone No. 73 1962	Seetha lakshmi Achi College (W) Endowment Trust	Miss. R. Kalpagam Principal (1/C) M.A. M.Phil.	B A. Part I Tamil/ Sanskrit B.A. Eng., Eco. B.Sc. Maths. ,Chem., Bot., Zoo. B.Com. M.A. Eng. M,Sc. Maths.	—	555	555	226	246	83
61	Sree Sevugan Annamalai College, Devakottai 623 303 Phone No. 251 1970	Aided	Thiru N. Srini-vasan, M.A., C.G.T.	B.A. Tamil Eng., Eco. B.Sc. Maths. Phy. Chem. Zoo. B.Com.,	486	148	634	204	369	61
62	V.S. Siva-lingam, Govt. Arts College, Pulankurichi-622413, Phone No, 125 1972	Govt. of Tamil nadu	Thiru C. Bala-krishnan, M.A., M.Phil.	B A. Hist. B.Sc. Maths. Phy., Chem. B.Com.	422	16	438	101	240	97
63	Ramasamy Tamil College, Karaikudi 623001 Phone No. 2245 1967		Thiru D. Muruga-samy, M.A.B.O.L. A.M.A.	B.Litt.	12	33	45	9	35	1

8			9			10				11	12			13	14
118	–	118	75	—	75	NCC	80	--	80	—	47	2	49	27167	608
						NSS	243	62	305						
—	200	200	—	45	45	NCC	—	85	85	–	—	54	54	8427	—
						NSS	—	200	200					(Including Part-time Lawyer and Auditor)	
81	—	81	25	—	25	NSS	218	72	290	1	53	—	53	12977	630
														(Including Part-time Lawyer and Auditor)	
50	—	50	18	—	18	NSS	185	15	200	--	35	—	35	12527	534
														(2 Part-time Lecturers)	
7	17	24	—	—	—		—	—	--	—	4	2	6	4658	182

1	2	3	4	5	6	7

Engineering

1	2	3	4	5	6	7
64	Alagappa Chettiar College of Engineering and Technology. Karaikudl-623004 Phone No. 2535 1952	Govt. of Tamilnadu	Thiru S.R. Srinivasan, Ph D.	B.E. Civil Mechanical Ele. and Electronics, and Commu. P.G. Dip. in Eectro. Chem. Engg. M.E Degree. in Microwave and optical Engg.	625 130 755	217 352 186

RAMANATHAPURAM DISTRICT

1	2	3	4	5	6	7
65	Pasumpon Thiru Muthuramalinga Thevar Memorial College, Kamuthi-623 604 1970	Pasumpon Thiru Muthuramalinga Thevar Management	Thiru V. Kamatchi M.A.	B.A. Hist., Pol. Sc, B.Sc. Bot. B.Com.	219 10 229	4 189 36
66	The Sethupathy Government Arts College, Ramanathapuram-623502 Phone No. 452 1965	Govt. of Tamilnadu	Thiru S. Selvaraj, M.A.	B.A. Eco Eng., Tamil, B.Sc., Maths Phy. Bot,, Chem. B.Com. M.A. Eco.	438 98 536	27 376 133

Engineering :

1	2	3	4	5	6	7
67	Mohamed Sathak Engineering College, Kilakarai-623806 Phone No. 327 1984	Mohamed Sathak Trust	Thiru S.H. Ibrahim E.Sc., B.Sc. (Tech) M.Sc.(Tech) Ph.D. F.A.I.Ch.E.' (USA), F.I.E.M. I.I.Ch.E.	B.E. Civil Engg. Mech. Engg. Ele & Comm. Engg.	701 — 701	89 540 78

8			9			10			11	12			13	14
						NSS								
511	157	688	111	33	144	110	—	110	10	65	4	69	24906	423
117	—	117	20	—	20	—	—	—	—	28	—	28	3578	558 (2Part-time Lecturers)
						NCC								
103	—	103	23	—	23	50	—	50	—	63	4	67	23878	1226
						NSS								
						225	75	300						
						NSS								
604	—	604	75	—	75	100	—	100	3	33	6	39	2107	1613

1	2	3	4	5	6			7		
CHIDAMBARANAR DISTRICT										
68	Aditanar College of Arts & Science, Tiruchendur-628 216 Phone No. 232 1965	Aditanar Educational Institution	Thiru R. Kanaga-sabapathy, M.A., Ph.D.	B.A. Eco., Eng. B.Sc., Maths. Chem. Phy. Zoo. B.B.A. B.Com. M.Sc. Maths. M.A. Eco. Eng. M.Phil Maths. Eco.	1091	29	1120	178	777	165
69	A.P.C. Maha-laxmi College for Women, Tuticorin 628 002 Phone No. 21655 1973	V.O.C Pillai Educational Society, Tuticorin	Tmty. P. Soundra, M.A.,Ph.D. D.G.T.	B.A. Tamil Eng. Hist. B.Sc. Maths Chem. Zoo. B.Com. M.A. Tamil M.Sc Maths Cert & Dip in Gandhian Thought (Part-time)	—	697	697	148	419	130
70	Govindammal Aditanar College for Women, Tirchendur-628 215 1987	Aditanar Educational Institution, Madras.	Thiru N. Jamuna-rani, M.A. Ph.D. Principal (I/C)	B.A. Eco. B.Sc. Maths., B.Com.	—	59	59	11	40	8
71	G. Venkata-swamy Naidu College, Kovilpatti-627 702 Phone No. 2389 19 6	G. Kuppu-swamy Naidu Charity Trust for Eduction & Medical Relief, Coimbatore	Thiru T.N. Kripendra Babu, M.A. M.Sc.	B.Sc, Maths. Phy, Chem. Bot. B.Com.	390	158	548	65	436	47

8	9	10	11	12	13	14
396 — 396	94 — 94	Army 65 — 65 NSS 130 — 130 Naval 45 — 45	— 142	2 144	31693 (Including Part-time Staff)	1160
— 252 252	— 56 56	NCC — 100 100 NSS — 100 100	— —	63 63	8986 (Including Part-time Lecturers)	987
— 9 9	— — —	— — —	— —	8 8	353 (Including Part-time Asst. Prof.	—
85 — 85	8 — 8	NSS 200 — 200	— 45	4 49	24649 (Including Part-time Asst. Prof. of Law & Asst. Prof. of Auditing)	710

1	2	3	4	5	6			7		
72	Holy Cross Home Science College, Tuticorin 628 003 Phone No. 21557 1975	Sister of the Cross Chavanod	Sr: Phyllis, M.Sc. M.Phil.	B.Sc. Home Science	—	71	71	2	62	7
73	Kamaraj College, Tuticorin 628003 Phone No. 21988 1966	The Tuticorin Educational Society	Thiru S. Selvaraj M.A., M.Sc. M.Ed.	B.A. Eco. B.Sc. Maths. Chem. Zoo. Bot. B.Com. Computer Science M.A., Eco., M.Sc. Maths M.Com. Cert. & Dip. in Gandhian Thought (Part-time)	844	—	844	61	593	190
74	Nazareth Margoschis College, Pillayanmani-628251 Phone No. 2632 1967	Tirunelveli Diocesan Trust Association	Thiru S. John Gabriel M.A.	B.A. Hist. Eco. Eng. B.Sc. Maths Chem. Zoo. B.Com. M.Sc. Maths	223	287	510	31	451	28
75	Pope's College, Sawyerpuram-628251 Phone No. 33 1962	Tirunelveli Diocesan Trust Association	Thiru K. Paul Dawson, M.A. M.Phil.	B.A., Eco. B.Sc. Maths Phy. Zoo. Chem. B.Com. M.A. Eco.	296	122	418	17	335	66
76	Sri Kumara Gurpara Swamigal Arts College, Arulnandi Nagar, Padmanabhamangalam P.O. 628619 Srivaikuntam Phone No. 24 1961	Sri K.G.S. Educational Society	Thiru P. Velappa pillai, M.A,	B.A, Eco. B.Sc Maths Chem. Bot. Phy. Zoo. B.Com. M.A. Eco. M.Sc. Phys.	611	—	611	101	314	196

8			9			10			11	12			13	14
—	33	33	—	5	5	—	—	—	—	—	7	7	2093	52
332	—	332	144	—	144	NCC (Army) 65 Navy 45 NSS 300	 — — —	 65 45 300	—	67	—	67	22172 (Including Part-time Asst. Prof Demonstrator and Librarian)	1127
15	--	15	—	—	—	NSS 110	90	200	—	34	13	47	9505 (Including Part-time Lawyer)	317
76	—	76	8	—	8	NSS 110	100	210	—	32	9	41	22703	1124
250	—	250	132	—	132	NSS 300	—	300	—	55	—	55	16370 (Including Part-time A.P. of Law)	—

1	2	3	4	5	6			7		
77	St. Mary's College Tuticorin- Phone No 20946 & 628001 1948	Tuticorin St. Mary's College Educational Society	Sr. Vitalina Mary. M.Sc.,B.T. M. Phil.	Part I Tamil Hindi/French B.A. Tamil Hist. Eco., English, B.Sc., Maths., Phy. Chem. Bot. Zoo. B.Com. M A. Eng. Hist. M.Sc. Bot.Zoo. M.Com. M.Phil	—	1265	1265	192	954	119
78	V.O. Chidambaram College, Tuticorin 628008. Phone No. 20175 1951	V.O. Chidambaram Pillai Educational Society, Tuticorin	Thiru C. Pakkiam M.A., M.Sc. M.Phil.	B.A. Hist, Eco. Eng., B.Sc. Maths. Phy., Chem. Bot. Zoo., Geology B.Com. B.B.A. M A. Hist. Eng. Eco. M.Sc. Maths Chem. Zoo. Geology, M.Com.	1192	108	1300	250	799	251
Engineering										
79	National Engineering, College, Nalatin- Puthur-627716 Phone No. 2977 1984	National Educational and charitable Trust	Thiru S. Kannappan B.E., M.S., Mich State.	B.E. 4 year ComputerEngg. Electronics and Communication, Mechanical Engg.	707	—	707	122	513	72
Education.										
80	Annammal Training College for Women, Tuticorin 628002 Phone No. 20587 1962	Subbiah Dharma Nidhi	Trmty Hephzibah Wilson M.A. M.Ed.,	B.Ed.	—	101	101	17	75	9

8	9	10	11	12	13	14
— 464 464	— 54 54	NCC — 73 73 NSS — 214 214	3 1	96 97	31720	394 (Including Part- time Lawyer P.T. Auditor (Men) Phy Director and Librarian
235 — 235	141 — 141	NCC (Army) 60 — 60 NCC (NAVY) 90 — 90 NSS 300 — 300	—	119 — 119	43450	1200 (Including Part-time Asst. Professors)
210 — 210	8 — 8	NSS 140 — 140	6	40 — 40	2019	693
— 82 82	— 9 9	— — —	— —	7 7	6951	38

1	2	3	4	5	6			7		
81	V.O.C. Teacher's College, Tuticorin 628 008 Phone No. 20492 1949	V.O.C. Educational Society	Thiru S. Packiam, M.A. M.Sc., M.Ed., D.G.T. Ph.D.	B.Ed. M.Ed.	90	18	108	15	75	18

TIRUNELVELI KATTABOMMAN DISTRICT

1	2	3	4	5	6			7		
82	Ambai Arts College, Amba- samudram, 627 401 Phone No. 375 1969	Tirthapathi Hr. Secon- dary School and Ambai Arts College Electorate	Thiru S. Chidam- barasuba- manian M.A. B.T.	B.A. Eco. B.Com. M.A. Eco.	276	146	422	138	242	42
83	Govt. Arts College for Women, Tirunelveli 627 008 Phone No. 23405 1970	Govt. of Tamilnadu	Tmty. Angeline Vasanthi, M.A. Principal (I/C)	B.A. Hist. Tamil, Eng. B.Sc. Chem. Zoo. Bot. Bom. M.A. Eng.	-	588	588	151	271	166
84	Pasumpon Muthurama- linga Thevar College, Melaneeli- thanallur- 627 923 Phone No. 26 (Kurukkalpatti Exchange) 1970	Thevar Educational Society, Melaneeli- thanallur	Thiru A.R. Ponniah M.A. B.L.	B.A. Eng. Tamil Hist. Eco., B.Sc. Maths. Zoo. Chem. B.Com. M.A. Hist. M.Sc. Zoo. M.Com.	539	69	608	51	469	88

8			9			10			11	12			13		14
74	—	74	13	—	13	—	—	—	—	7	—	7	8002	498	
							NCC								
26	—	26	11	—	11	80	—	80	—	21	2	23	14310	321	
							NSS								
						63	43	106					(Including Part-time Lecturer)		
							NSS								
—	125	125	—	75	75	—	227	227	—	—	52	52	10536	755	
							NCC								
						—	50	50							
							NSS								
271	27	298	48	5	53	200	—	200	—	44	11	55	9851	650	
							NCC								
						50	—	50							

1	2	3	4	5	6			7		
85	Sadakathullah Appa College, Rahmath Nagar, Palayamkottai Tirunelveli-11 Phone No. 71224 1971	Sadaka-thullah Appa College Educational Society	Thiru G. Mohamed Pasi, M.Com. Dip. in Geog.	Part I Tamil/ Arabic B.A. Hist. Eng. B.Sc. Maths. Zoo. Phy. Chem. Computer Science B.Com., M.A. Hist. M.Com.	894	—	894	136	639	119
86	Sri Sarada College for Women, Sarada Nagar Melakkulam (PO), Tirunel veli-627351 Phone No. 71596 1986	Sri Rama-krishna Topovanam	Yatiswari Krishna priya, M.A., M.Phil	B.A. Eco. B.Sc. Maths. B.Com.	—	160	160	99	56	5
87	Sarah Tucker College, Tirunelveli 627 007 Phone No. 71146 1895	Church of South India Tirunelveli Trust Association	Tmty. Lalitha Gnandadoss, M.Sc. Ph.D.	B.A. Hist. Eco. Eng., Tamil B.Sc., Phy Maths. Chem. Bot., Zoo. B.Com. M.A. Eng. Eco. Tamil M.Sc., Maths., Phy. Chem.	—	1537	1537	461	908	168
88	Sri Parama-kalyani College, Alwarkurichi 627412 Phone No. 26 1963	Sri Parama-kalyani Education Society	Thiru K.H. Narayanan M.A.	B.Sc. Maths. Phy. Chem. Zoo. B.Com. M.Sc. Phy. Chem.	598	—	598	179	332	87

8	9	10	11	12	13	14
210 — 210	30 — 30	NCC 60 — 60 NSS 300 — 300	-- 63	2 65	19184 362 (Including Part time Lecturer)	
— 19 19	— 1 1	— — —	— —	15 15	544 205	
— 416 416	— 79 79	NCC — 106 106 NSS — 300 300	2 —	109 109	44760 871	
110 — 110	46 — 46	NCC 100 — 100 NSS 200—200	— 49	— 49	20137 260 (Including Part-time Lecturers)	

	2	3	4	5	6				7	
89	Sri Parasakthi College for Women, Courtallam 627802 Phone No. 2144 1964	Sri Parasakthi Educational Society	Selvi S. Baghirathi, M.A. M.Litt.	B.A. Hist. Eco. Tamil Eng. B.Sc., Maths. Chem. Phy Bot. Zoo. Computer Science, B.Com M.A. Tamil, M.Sc. Bot and Dairy Development, M.Com. M.Phil. Tamil	—	1053	1053	168	680	205
90	St. John's College, Palayamkottai Tirunelveli-627002 Phone No. 72218 1878	Tirunelveli Diocesan Trust Association	Thiru T. Pandian Thanasingh, M.O.L.	B.A. Eng., Hist. Eco., B.Sc. Maths Phy.C hem. Bot. Zoo.. M.A. Eco., Eng. Philos. & Religion M.Sc. Maths. Bot., (Part-time) M.Phil. Maths.	1099	80	1179	992	1	186
91	St. Xavier's College, Palayamkottai Tirunelveli-627 002 Phone No. 75005 1923	Society of St. Francis Xavier.	Rev. Fr. G. Packiaraj S.J.M.A.	B.A. Eco. Eng. B.Sc. Maths. Phy. Chem. Bot., Zoo. Computer Sc., B.Com. M.A. Tamil M.Sc., Maths. Zoo. Bot. M.Phil Tamil Maths, M.Phil (Part-time) Tamil, Maths. Ph.D. Tamil, Zoo. Ph.D (Part-time) Tamil	1161	72	1233	334	710	189

8	9	10	11	12	13	14
— 572 572	— 170 170	NCC — 200 200 NSS — 105 105	2	— 83 83	36583 (Autonomous)	492
HOSTEL RETURN NOT RECEIVED		NCC 100 — 100 NSS 200 — 200	—	95 2 97	38468	582
620 52 672	62 4 66	NSS 200 — 200 NCC 110 — 110	1	92 — 92	40688 (Including Part-time Lecturers) (Autonomous)	1562

1	2	3	4	5		6			7	
92	The Madura Diraviyam Thayumanavar Hindu College, Tirunelveli-627 010 Phone No. 326 3898 1878	The Educational Society, Tirunelveli	Thiru M. Ramasamy M.A.	B.A. Eco., B.Sc. Maths Phy. Chemistry Zoo., B.Com. M.A., Tamil Eco. M.Sc. Maths. Phy. M.Com. M.Phil.'	887	–	887	244	511	132
93	Thiruvalluvar College, Pothigaiyadi, Papanasam, Vickramasingapuram-627 425 Phone No. 27 1968	Kundrakkudi Thiruvannamalai Atheenam	Thiru C. Karthikeyan, M.A. Principal (1/C)	B.A. Hist. Tamil, B.Sc., Chem. Maths B.Com. M.Com. Dip in Business Admn (Part-time)	452	152	604	151	401	52
94	Tirunelveli Daskhina Mara Nadar Sangam College, T Kallikulam 627113 Phone No. 235 250 (Vallioor) 1971					PARTICULARS NOT				
95	Madathupatti Gopal Naicker College, Sankarankoil, 1967		"Subject to the Orders of the Supreme Court in the appeal and the Stay application field on behalf of the University against the order of the High Court in the Writ Appeal No. 327 of 1974"							

Engineering :

1	2	3	4	5		6			7	
96	Govt. College, of Engg., Tirunelveli 627007 Phone No, 71561 1981	Govt. of Tamilnadu	Thiru V. Mahalingam, B.E.. M.Sc.(Engg.) FIE	4 years B.E., Civil Engg. Electronics Engg. Mech. Engg. Part-time 3½ years Civil Mechl. Electrical	656	240	896	252	509	135

8	9	10	11	12	13	14
108 — 108	36 — 36	NCC 110 — 110 NSS 200 — 200	—	77 3 80	40492	1100 (Including Part-time Lawyer)
56 — 56	21 — 21	NCC 76 24 100	—	32 5 37	6357	271 (Including Part time Lecturers)
RECEIVED FROM THE COLLEGE						
135 109 224	43 19 62	NSS 85 37 122	9	50 4 54	10067	1052

1	2	3	4	5	6			7		
97	The Indian, Engg. College, New Raja nagar, Vada-kangulam 627116 Phone No. 42 1984	Selvam Educational & charitable Trust	Thiru G. Alex-ander, B.Sc., B E., M.Sc. (Engg) F.I E., M.I.S.E , M.I.R.C.C.E.	B E Civil Engg., Ele & Communi cation, Mechi Engg. computer Science	526	123	649	212	366	71
Medicine :										
98.	Tirunelveli Medical College, Tirunelveli - 627011 Phone No. 4433 1966	Govt. of Tamil Nadu	Thiru Sembon David, M.D.,	M.B B.S., M.D.D.C.H. M.S.	330	273	603	56	405	142
Indian Medicine :										
99	Govt. Siddha Medical College, Palayamkottai 627002 Phone No. 22345 to 22347	Govt. of Tamil Nadu	Thiru V. Subra-manian, M.D. (Siddha)	BSM & S D. Pharm M.D. (Siddha)	327	308	635	78	448	109
Education :										
100	St. Ignatius College of Education, Palayamkottai 627002 Phone No. 25258 1957	Missionary society of the Immaculate Heart of Mary	Sr. Rose Anne, A. M.A., M.Ed.	B.Ed.,	—	100	100	21	68	11
101	St. Xavier's College of Education, Palayamkottai 627002 Phone No. 5315 1950	Society of St. Francis Xavier	Rev. Fr. I. Vedana-yagam S.J. M.A., M.Ed., Principal (1/c)	B.Ed., M.Ed.	105	4	109	32	60	17

8			9			10			11		12			13	14
							NSS								
193	98	291	19	11	30	91	21	112	2	21	10		37	11700	720
87	206	293	60	50	110	—	—	—	15	84	26		110	14959	768
							NSS								
140	245	385	60	23	87	71	55	126	3	37	16		53	3438	8
—	79	79	—	—	—	—	—	—	—		12		12	8150	200
86	1	87	16	—	16	—	—	—	—	—	10	—	10	5865	25

1	2	3	4	5	6			7		
102	Annai Velankani College, Tholayavattam 629 157 1987	Friends of kottar	Fr. George, M.A. Ph.D. (USA)	M. B.A. Eco. B.Sc. Maths., B. Com	63	51	114	1	112	1
103	Arignar Anna College, Aralvaymoli 629 301 Phone No. 22 1970	Kanya-kumari Educational Society.	Thiru V. Paravai-kkarasu Pillai, M.A., M.Phil.	B.A. Hist. Eco. B.Sc. Maths. Bot. Zoo. Chem. B.Com. M.A. Hist.	519	—	519	118	320	81
104	Nesamony Memorial Christian College, Martandam 629 165 Phone No. 257 1964	Kanya-kumari Diocese, (C.S.I.)	Thiru S.S. Hector, B.A. (Hons) Ph.D.	B.A. Tamil Hist. Eco., Eng. B.Sc., Maths. Phy. Chem. Bot. Zoo. B.Com. M.Sc. Phy. Maths. M.A. Hist, M.Phil. Hist.	890	652	1542	124	1344	74
105	Holy Cross College, Nagercoil 629004 Phone No. 3473 1965	Congrega-tion of the Sisters of the Cross of Chavanod	Sr. Felicita M.A. M.Phil Ph.D.	Part I Tamil/ Malayalam/ French B.A. Hist. Eco. Eng. B.Sc. Maths. Phy., Chem. Bot. Zoo. B Com. M.A. Eng. M.Sc. Maths. Zoo. Phy.	--	1153	1153	125	1013	15

8			9			10			11	12			13	14
—	—	—	—	—	—	—	--	—		7	1	8	1243	425
NO HOSTEL			—	—	—	NSS 200	—	200	—	55	—	55	15718 (Including Part-time Lawyer and Auditor)	190
NO HOSTEL			—	—	—	NCC 160 NSS 200	— 100	160 300	—	100	9	109	36000	334
—	309	309	—	28	28	NSS —	217	217	3	—	95	95	29652 (Including Part-time Lecturers)	890

1	2	3	4	5	6	7
106	Lakshmi-puram College of Arts and Science Neyyoor-629802 Phone No. 33 1964				PARTICULARS NOT	
107	Musilm Arts College, Thiruvithan-code 629 174 K.K. Dt Phone No. 397 (Thuckalay) 1981	Muslim Educational Society	Thiru D. Arthur Davis, M.A.	B.A. Part I Tamil/ Malayalam B.A. Tamil Hist., Cor. Secre. Ship. B.Sc. Zoo. Maths, Phy. B.Com.	371 139 510	60 424 26
108	Pioneer Kumarasamy College, Nagercoil-629003 Phone No. 327 4448 1967	Dr. K. Padma-nabhan, B.Sc., M.B.B.S.	Thiru S. Manohran, M.Com., LLB	B.A. Tamll, English B.Sc. Maths Phy. Chem., Zoo., B.Com.	347 118 462	130 289 46
109	Scot Christian College, Nagercoil, 699003 Phone 3807 1893	Kanya Kumari Diocese (CSI)	Thiru S. Jeyasingh M.A. M.Sc. M.Ed	B.A. Part I Tamil/Mala-yalam/Hindi B.A. Tamil Eng. Hist. Eco. B.Com. B.Sc., Maths Phy. Chem. Bot. Zoo. M.A. Eng., Eco. M.Sc. Maths Bot., Zoo. Phy. M.Com., M.Phil. Zoo. Bot. Eco.	1070 303 1373	92 1225 56

8	9	10	11	12	13	14
RECEIVED FROM THE COLLEGE						
NO HOSTEL		NSS 77 30 107	—	32 9 41	1022	321 (Including Part-time Lecturers)
NO HOSTEL		NSS 200 — 200	—	48 2 50	16535	300
14 — 14	1 — 1	NCC 65 — 55 NSS 300 100 400	—	83 20 103	52024	537

1	2	3	4	5		6			7	
110	Sivanthi Aditanar College, Pillayapuram, Nagercoil 629501 Phone No. 3551 1984	Thenkumari Educational Society	Thiru M. Natasan, M.Sc.	B A. Eco., Hist. B.Sc. Maths., Phy. Zoo, Computer Science, B.Com.	480	97	577	42	489	46
111	Sree Ayyappa College for Women, Chunkankadai (P.O) Nagercoil 629807 Phone No. 3980 1969	Sree Ayyappa Educational Society	Tmt. S. Santha Devi, M.A.	Part I Tamil / Malayalam / Hindi, B A. Hist. Eng. B.Sc Zoo. Maths Phy., Bot. B.Com., M.A., Eng.	–	749	749	286	427	36
112	Sree Devi Kumari Women's College, Kuzhithurai 629163 Phone No. 266 1965	Incorporated and unincorrated Deva. swoms, Suchindrum	Tmty. B. Padma Thambi M.Sc.	B.A. Eco., B.Sc. Chem., Zoo., Maths. Bot.	–	434	434	135	274	25

8	9	10	11	12	13	14
38 — 38	2 — 2	NSS 85 15 100	— 25 9	34	1667	241 (Including Part-time Lawyer)
— 120 120	--- 3 3	NSS — 100 100	— — 57	57	14477	228 (Including Part-time Lecturer)
— 8 8	— — —	NSS — 100 100	— — 36	36	14966	200

1	2	3	4	5		6			7	
113	S.T. Hindu College, Nagercoil-629002 3127 Phone No 1951	The South Travancore Hindu College, Association	Thiru L, Chidambara-thanu, M A. H.D.C. D.G..T CIC.	Part I Tamil Malayalam Hindi B.A., Hist., Tamil Socio Eng. Eco. B.Sc. Maths. Phy. Chem. Bot. Zoo. Computer Science B.Com. M.A. Tamil Eng. Eco., Hist. M.Sc. Maths., Chem. Phy., Zoo. M.Com. M.Phil Tamil Chem. Evening College Cert. Cour in Gand Thou. Jour. Indian Culture Functional & Conversational Hindi Salesmanship Dip course Gandhian Thou. office Management, Management, Journalism, Tourism Business Admn. Personnel Management & Industrial Relations, Marxian Thout Mass Media & commn. Marketing & Foreign Trade, Translation M.Phil Tamil & Chem.	949	561	1510	377 (For full-time Course)	716	173

8	9	10	11	12	13	14
		NCC				
52 — 52	15 -- 15	100 50 150	— 105	16 121	46061	486
		NSS				
		200 100 300				

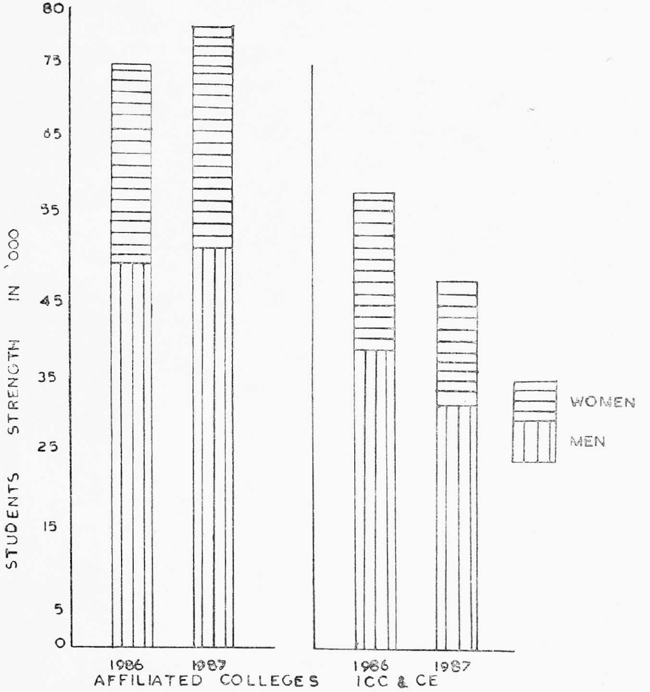
1	2	3	4	5	6			7		
114	St. Jude's College, Thoothoor (P O) 629176 (Phone No Painkulam.) 1979	Latin Catholic Fishermen's Educational Society	Rev. Fr V.O. Jacob M.A. (Trav) M A., (USA)	Part-I Tamil / Malayalam B A His. Eng. B.Sc. Maths. Phy. Zoo. Bot. B.Com.	433	277	710	116	541	53
115	Vivekananda College. Agastees- waram - 629701 Phone No. 245 1965	Vivekananda Educational Society, Agastees- waram	Thiru M. Mutha Soodana Perumal M.A , M.Phil.	B.A., Eco. Eng. Tamil. Chem. Zoo Bot. Physics B.Com. M.A., Eco., M.Sc. Maths	464	282	746	63	586	97
116	Women's Christian College, Nagercoil 629001 Phone No. 5061 1973	C.S.I. Diocese	Tmty. E.M.G. Johnson M.A.,	Part-I Tamil / Hindi Malayalam / French B.A. Eng. Eco. Tamil, Hist. B Sc.Maths Chem. Phy. Bot. Zoo. Computer Science, B.Com. M.A. Hist., M Sc. Bot.	—	1355	1355	180	1039	86

PROFESSIONAL COLLEGE :

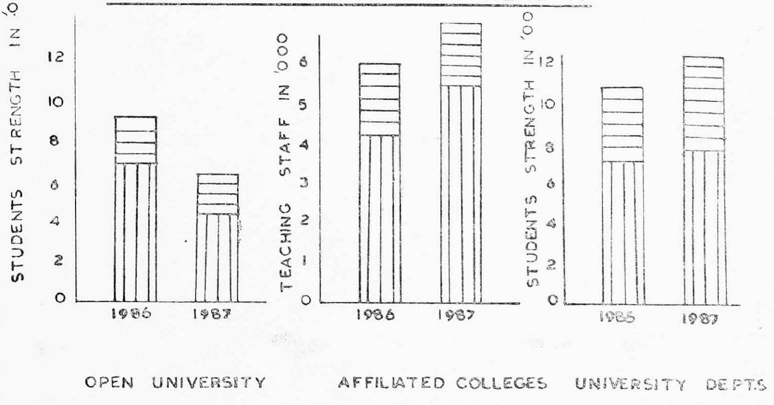
Education :

117	The N.V.K. S.D. College, of Education, Attoor P.O. (via) Thiruvattar - 629177 Phone No. 330 (Kuzhithurai) 1963	N.V.K.S.D. Educational Society, Attoor	Thiru K. Ramachan- dran Nayar, M.A. M.Ed.	B.Ed., M.Ed.	22	93	115	34	68	4

	8			9		10		11		12			13	14
						NSS								
—	—	—	—	—	—	60	40	100	—	38	12	50	3656	445
						NCC								
						160	—	160						
						NCC								
32	58	90	6	–	6	68	—	68	—	56	14	70	16304	397
						NSS								
						100	100	200						
							NSS							
—	—	—	—	—	—	—	250	250	1	—	67	67	9500	500 (Including Part-time teacher)
HOSTEL RETURN NOT RECEIVED														
34	–	34	—	—	—	—	—	—	—	10	2	12	7337	47



STAFF AND STUDENTS STRENGTH



APPENDIX – F

List showing the names of Colleges for which temporary fresh / further affiliation granted for the academic year 1987-1988.

New Colleges

Sl. No.	Name of the College	Course for which affiliation was granted.
1	Govindammal Aditanar College for Women, Tiruchendur.	B A. / B.Sc Part I Tamil B.A. / B.Sc. Part II English B.A Economics Main with Eco. Statistics and Principles of Accountancy as Ancillary. B.Sc. -Maths - Main with Applications of Maths as Ancillary. B.Com. with Costing & Management Accountancy as Optional.
2	Annai Velankanni College, Tholayavattam, K.K. Dist.	B.A. / B Sc Part I Tamil B A / B.Sc. Part II English B.A. Economics B.Sc Mathematics B.Com.

Further Affiliation

Madurai District / Anna District

Sl. No.	Name of the College	Course for which affiliation was granted.
1	The American College, Madurai.	M.Sc. Botany
2	Fatima College, Madurai.	B.A. Economics with Eco. Statistics & Accountancy as Ancillary.
3	Jeyaraj Annapackiam College, (Women) Periakulam.	B.Sc. Physics Main with Maths and Chemistry as Ancillary.
4	Sourashtra College, Madurai.	B Sc. Computer Science
5	Lady Doak College, Madurai.	M.A. History
6	Vivekananda College, Tiruvedakam.	M.Sc., Zoology
7	Madura College, Madurai.	B.Sc., Computer Science

(1)	(2)	(3)
8	M.T.N. College, Madurai	M.Com.
9	M.S.S. Wakf Board College, Madurai	M.Com.
10	Thiagarajar College Madurai	B.Sc. Computer Science
11	A.P.A. College of Arts & Culture, Palani	M.A. History
12	A.P.A. College for Women Palani,	M.Sc. Zoology
13	H.K.R.H. College, Uthamapalyam	M.A. History
14	Sri Meenakshi Govt. College (W), Madurai	'Zoology" as Ancillary in place of "Physics" for B.Sc. Home Science
15	Saraswathi Narayanan College, Madurai	M.A. Economics
16	Gandhigram Institute of Rural Health & F.W. Trust Gandhigram	B.Sc Nursing
17	Christian Fellowship & Community Health Centre, Ambilikai	B.Sc. Nursing
18	Thiagarajar College of Engineeing, Madurai	M.B.A. (Full time) (Meant for Engg. graduate)

Kamarajar District : / Pasumpon District :

19	Rajapalayam Raju's College, Rajapalayam	B.Sc. Physics
20	S.B.K. College, Aruppukottai	M.Sc. Mathematics
21	S.F.R. College, (W), Sivakasi	B.Sc. Computer Science
22	Sri S.R. Naidu Memorial College, Sattur	B.Sc. Computer Science
23	A.P.S.A. College, Thiruppathur	B.Sc. Computer Science

(1)	(2)	(3)
Tirunelveli / Chidambaranar Districts		
24	T D.M.N.S. College, T. Kallikulam.	B.Sc. Physics
25	Sarah Tucker College, Palayamkottai.	M.Sc., Mathematics
56	Nazareth Margoschis College, Nazareth.	M.Sc., Mathematics
27	St. John's College, Palayamkottai.	M.A. Philosophy & Religion
28	Pope's College, Sawyerpuram.	M.A. Economics
29	V.O.C. College, Tuticorin	M.Sc. Botany
30	St. Xavier's College, Palayamkottai.	M.A. Folklore
31	Sadakathullah Appa College, Palayamkottai.	B.Sc. Computer Science
32	Kamaraj College, Tuticorin.	B.Sc. Computer Science
33	Sarada College for Women, Melakulam.	B Sc. Physics
Kanyakumari District :		
34	S. T. Hindu College, Nagercoil.	M.Sc. Mathematics
35	St. Jude's College, Thoothoor.	B.A. English
36	Scott Christian College, Nagercoil.	M.Sc. Physics

(1)	(2)	(3)
37	Momen's Christian College, Nagercoil.	B.Sc. Computer Science
38	Muslim Arts College, Thiruvithancode.	B.Sc. Zoology
39	N.V.K.S.D. College of Education, Attoor.	M.Ed.
40	Sree Devi Kumari Women's College, Kuzhithurai.	B.Com.

Further Affiliation Granted During 1987—88.

M. Phil. (Full-Time & Part-Time Courses)

S. No.	Name of the College	Subject
1	The American College, Madurai	Zoology (Full-Time)
2	V. H. N. S. N College, Virudhunagar.	Zoology (Part-Time)
3	V. O. C. College, Tuticorin.	Zoology (Full-Time) Zoology (Part-Time)
4	St Mary's College, Tuticorin.	Botany (Full-Time) Botany (Part-Time)
5	St. John's College, Palayamkottai.	English (Full-Time) English (Part-Time)
6	APC Mahalakshmi College for Women, Tuticorin.	Tamil (Full-Time)
7	A. N. J. A. College, Sivakasi.	Tamil (Full-Time) Tamil (Part-Time)

Further Affiliation Granted During 1987—88.

M.Phil. Summer Seq. Programme

S.No.	Name of the College	Subject
1	Thiagarajar College, Madurai	1. Botany 2. Zoology 3. English
2	American College, Madurai.	1. Physics 2. Zoology
3	A.P.A. College, of Arts & Culture, Palani	1. Botany 2. Zoology
4	V.O.C. College, Tuticorin.	1. Zoology 2. Cnemistry
5	Vivekananda College, Agasteeswaram.	Mathematics
6	St. Xavier's College, Palayamkottai.	Mathematics
7	St. John's College, Palayamkottai.	Mathematics
8	M.D.T. Hindu College, Tirunelveli.	Tamil - Minimum
9	Aditanar College of Arts & Science Tiruchendur.	1. Mathematics - Minimum 2. Economics - Minimum
10	S. T. Hindu College, Nagercoil.	1. Tamil 2. Physics 3. Zoology 4. Economics 5. Commerce 6. English
11	APC Mahalakshmi College For Women, Tuticorin.	Tamil
12	N. M. Christian College, Martandam	History

APPENDIX–G

LEGISLATION

The following Statutes, ordinances and Regulations were adopted by the Senate at its meetings held on 26th March 1987 and 15th October, 1987 :

I Statutes :

1. The words "Animal Physiology" under the existing Statute 2 (i) of Chapter VII of Volume I Calender of the University, was deleted and instead the words "Animal Behaviour and Physiology" was inserted in its place.

2. The following was inserted at the appropriate place under Statute 2 (i) in the School of Biological Sciences :

'Department of Bio-Technology', and that the revised statute 2 (i) be amended to read as follows :

"School of Biological Sciences comprises the Departments of Environmental Biology, Animal Behaviour and Physiology, Plant Physiology Plant Marphology & Algalogy, Immuno-biology, Micro-biology, Bio-chemistry, Molecular Biology and Bio-Technology".

3. The following was ādded in the appropriate place under Statute 3 of Chapter VII of Volume I Calendar of the University 1969-70 :

'Department of Saiva Siddhantha Philosophy'

4. The following were inserted as Statutes in the appropriate place in Chapter VIII of Volume I Calendar of the University.

Gratuity cum-Pension-cum-insurance Schcme for Teachers of the University :

(i) A separate pension fund shall be constituted by the University if it is not already in existence with (a) contribution from the University and (b) from other sources as may be deemed necessary by the University from time to time and it shall pay in respect of each of its employee eligible for pension at such rates as may be prescribed by the Government on behalf of their employees on foreign service.

(ii) Pensioners who retire from University service shall be paid only from out of this pension fund.

(iii) The surplus under pension fund which are not required for immediate disbursement of pension shall be invested in various nationalised banks as is being done in case of surplus funds under other University accounts.

(iv) In case of teaching staff who get themselves appointed in other Universities to better their prospects or for other reasons, the University shall calculate the pension fund accumulation in their accounts on the date of leaving the service of the University and transfer them to the University wherein they take up employment provided there are such pension schemes in vogue in the University where such pensions are transferred.

(v) In respect of teachers who get themselves appointed in these Universities having served in some other University shall have the pension funds accumulated in other Universities for the period of their service transferred to this University. In case the University from where the teachers come to this University does not have pension scheme, the pensioner may himself pay such amount that would have accumulated in the pension fund if the University where he has previously serving has pension scheme and has maintained pension fund.

(vi) In respect of those teachers who have their pension fund accumulation in their previous University transferred to these Universities or pay themselves the pension contributions that could have accumulated till they left the University wherein they have served previously, the period of pensionable service shall be calculated taking into consideration the previous service also.

5. The following was inserted as Statutes in the appropriate place of Chapter VIII of Volume I Calendar of the University :

"................... Teachers who are elected / nominated to Parliament or State Legislature will be required to take leave of absence during their term as Member. However, in this process they will not be losing their seniority or increments".

II. Ordinance :

The Ordinance-Fee for undergoing the courses in Chaptes XXXVI of Part I of Volume II Calendar of the University, 1973, under Correspondence Course was amended to read as follows :

Tuition Fees

Certificate Courses :

a) Family and Child Welfare (One year course)

Rs. 150/-

or

I instalment.........Rs. 85/-

II instalment........Rs. 85/-

b) Every day Science (One year Course)

Rs. 100/-

or

I instalment........Rs. 60/-

II instalment.. ......Rs. 60/-

c) Special fees for both the courses :

Admission fee - Rs. 5/-, Registration fee - Rs 5/- and Special fees-Rs. 15/-.

III Regulations :

1. New Courses :

The following courses were instituted in the University and the regulations, scheme of examinations and syllabi for these courses were also approved :

a) Master of Public Health ('Health Education') course

b) M.Phil. Summer Sequential Programme

c) Certifieate course in Journalism and Mass Communication (through Correspondence course)

d) Certificate in Family and Child Welfare and Everyday Science (through Correspondence course)

e, B.Sc. Sericulture (Semester)

f) Certificate and Diploma courses in Saiva Siddhanta

g) Part-time Certificate course in "Computers in Office Management".

h) Part-time Diploma courses in Scientific Yoga and Meditation and Inter-religious Dialogue.

2. *Regulations and Syllabi* :

i) the revised regulations and syllabi of the following courses were approved :

a) M.A. Br. II (a, b and C) Political Science (Semester and non-semester)

b) M.Com , (Semester)

c) B.A. (Performing Arts)

1. Vocal / Instrumental (Veena, Violin, Flute and Mridangam
2. Bharadanatyam.

d) M.A. (Performing Arts) - Vocal / Instrumental

e) M A Br. VII (d) — Tamil and Comparative Literature
— Tamil and Folkolore
— Tamil and Mass Communication

f) M.B A. degree course (Meant for Engineering Graduates)

g) M.Sc. (Applied Mathematics).

Scheme of Examinations and Syllabi :

The revised scheme of Examination and syllabi for the following courses were approved :

a) M.A. Br. XI - Indian Culture (semester)

b) B.A. Br. XIII - Indian Culture (semester)

c) M Sc Br. VIII - Geography (semester)

d) B.Sc. Geography (semester)

c) B.Sc. - Mathematics ancillary - Chemistry Major and ancillary Zoology Major and ancillary -

f) Industry Oriented ancillary subjects - Salt Based Industry
Oils and Fats
Textile chemistry
Printing Technology
Fisheries

g) M.A. Br III (b) - Economics (semester)

h) M.A Br. VI (a & c) Economics (Non semester)

i) M A. Gandhian Thought (Non-semester)

j) M.A. French (semester and non-semester) and Part-I French of B.A./B.Sc./B.Music (Semester non-semester)

k) M.Sc. Mathematical Economics (semester)

l) M.Sc. Peace-Making (semester)

m) Part I Hindi and Arabic of B Sc. Computer Science (semester)

n) Part I Malayalam of B Sc. computer science (semester)

o) Part I Sanskrit of B.A./B Sc./B.Mus. (semester and Non-semester) and Diploma courses in Sanskrit.

p) Certificate, Diploma and Higher Diploma courses in French

q) Part II English of B.A./B.Sc./B.Mus (Sem); B.A./B.Sc./ (non-semester) B.Com. (Semester and Non-Semester).

r) Part II B.A. Br. XII (b) English (semester)

s) M.Sc. Biology (semester) and M.Sc. Zoology (semester)

4. *Syllabi*:

The revised syllabi for the following courses were approved

a) South East Asia paper prescribed in lieu of the Project work in Fourth Semester of M Sc. Br. VIII Geography

b) Additions and deletions in the syllabus for M Com. (Semester and Non-semester)

c) Paper IX Computer Programming and Linear Programming of B.Sc. Br. I (C) Mathematics.

d) The change in the text books prescribed under the paper 'Ikkala Ilakkiam' and the prescription of two new papers in lieu of the existing two papers for M.A. Br. VII (a) & (b) Tamil.

e) 4 year B.E. degree course (III to VIII semesters) for Civil Mechanical, Electrical 'Electronics, Electronics & Communication

f) B.Sc. Applied Science degree course

g) The revised list of text books prescribed under Part I Tamil of B.A./B Sc/B.Mus. (semester) degree course.

h) The revised list of text books prescribed under Part I Tamil of B.A., B.Sc., Non-semester degree courses.

i) New optional paper of "Plantation Economics" for B A. Br. IV (a) & (b) - Economics (semester and Non-semester).

j) Compulsory ancillary paper - "Economics Statistics" and one optional paper - "Planning and Growth" for B A. Br. IV (a) & (b) Economics (semester and non-semester).

k) B.A. Br XII (a) Tamil (Non-semester) and Br. XII (b) Tamil (semester)

l) Revised books for study and reference additional optional papers changes in the scheme of examination for practical duration and passing minimum for Viva-voce for M Sc. Computer Science (semester).

5 **Amendments to Regulations** -

(i) The following eligibility condition was inserted in the admission for M Sc., Rural Development Science degree course:

"That the candidates of B.Sc. Chemistry major with Soil Science and Agricultural Chemistry as ancillary subjects be admitted into M.Sc. Rural Development Science semester degree course."

(ii) The following was inserted in the appropriate place under regulations:

That the candidates who have passed the Oriental Title (2-D pulavar) examination of this University or an examination accepted as equivalent thereto and S.S.L.C. examination with eligibility and residing at Malaysia and Singapore are eligible for applying exemption from the production of attendance certificate to appear for the two ancillary subjects of Fourth Year B Lit. degree examination".

(iii) The following qualifications prescribed for appointment of Assistant Professors to teach the subjects of B Sc. Computer Science were approved;

1. M.Phil. in Computer Applications or Computer Science. If M Phil. qualified candidates are not available then the candidates with any of the followiag qualifications may be considered for appointment.

2. Master's degree in Computer Applications

OR

M Sc. Applied Mathematics with specialization in Computer Applications/Computer Science.

OR

M.Sc. Mathematics/M.Sc. Physics with Post-graduate Diploma in Computer Applications / Computer Science. Those who do not

possess M.Phil are to qualify themselues within a period of eight years from the date of appointment.

(iv) The paperwise qualifications prescribed for appointment of teachers to teach various subjects of B.Sc. and M Sc. Rural Development courses were approved.

(v) The following amendment to regulations for the P G. Diploma courses of 2 years duration was inserted in the appropriate places :

"That for 2 years Diploma courses, if the break happens to be more than 6 months, the candidate should repeat the whole course of study for a further period of 2 years".

(vi) a) There will be 'No Clinical examination in General Surgery of M.S. Ophthalmology' and it will be only Written Paper

b) The following amendment to regulations of the M.S. (Ophthalmology) was inserted in the appropriate place :

That the scheme of training in I year M.S (Ophthalmology) be amended as follows :

General Surgery including relevant specialities and traumatology	...	4 months
General Ophthalmology	...	5 ,,
Community Ophthalmology	...	3 ,,

M.S. (Ophthalmology) Part I :

Paper I	...	Applied Basic Science
Paper II	...	General Surgery

(Vii) The existing 'Eligibility conditions for admission to the Certificate and Diploma Courses in Sanskrit' were modified to read as follows :

Certificate Course in Sanskrit :

Minimum qualification for admission to the Certificate Course in Sanskrit would be a pass in Matriculation examination without Sanskrit as a subject (OR) any other examination approved by the Madurai Kamaraj University as equivalent thereto.

Diploma Course in Sanskrit :

Minimum qualification for admission to the Diploma Course in Sanskrit would be :

1. A pass in Certificate Course in Sanskrit of Madurai Kamaraj University (OR) Matriculation/Higher Secondary with Sanskrit.

2. A pass in the Sanskrit examinations of the following examining bodies :

a) KOVID of Bhartiya Vidya Bhavan

b) VICAKSANA of Chittoor Samskrita Bhasha Prachrini sabha.

c) AMARA BHARATI EXAMINATIONS

d) CORRESPONDENCE COURSE IN SANSKRIT of the Rashtriya Sanskrit Samasthan, New Delhi.

8. The regulation 9 (d) of 5 year B.L. Degree Course (Non-Semester) was amended to read as follows :

"A candidate will not be permitted to undergo the fifth year of the course until he/she has completely passed in all the third year examinations of the course and has satisfactorily completed the course of study in the fourth year and has registered for all the examinations in the year."

9. The regulations relating to the eligibility conditions for admission to M.Sc. degree course in Computer Science was modified to read as follows :

First class B.Sc. degree with Mathematics or Physics or Electronics/ Computer Science as Main paper from a recognised University or equivalent degree".

APPENDIX – H

1. Statement showing the number of students as on 31st December, 1987 in the various courses conducted in the Affiliated Colleges and Evening College of the University.

Courses	Men	Women	Total
A. Arts and Sciences :			
i B A Degree Course :			
Tamil Medium	2836	1992	4828
English Medium	7241	4707	11948
ii B.Sc Tamil Medium	90	485	575
,, English Medium	14532	9064	23596
iii B Sc. Computer Science	414	136	550
iv ,, Home Science	–	243	243
v B.Music	7	43	50
vi B.Com	8429	4311	12740
vii B.B.A.	1055	25	1080
viii B.Litt.	21	54	75
ix Post-Graduate Degrees :			
1 M.A	1703	1250	2953
2 M Sc.	1390	1216	2606
3 M Com.	693	331	1024
4 M Music	2	18	20
5 M.B.A. (Full-time)	46	9	55
6 M.B.A. (Part-time)	127	2	129
B Professional Degrees :			
a) Medical Course :			
1 M.B.B.S.	916	753	1669
2 B S M. & S.	388	371	759
3 B.H.M.S.	26	30	56
4 M.D. (Siddha)	18	4	22
5 B.Pharmacy	122	19	141
6 M.Pharmacy	3	1	4
7 M.D.	28	8	36
8 M S.	35	6	41
9 M.Ch	4	4	8
10 Diploma in Medicine	77	15	92
11 P.G. Diplomas in Medicine	38	22	60

Course	Men	Momen	Total
b) Engineering Courses :			
1 B.E. (Full-time)	5781	1167	6948
2 B.E. (Part-time)	858	106	964
3 B.Sc. Applied Science	78	28	106
4 M Sc. ,, Mathematics	10	2	12
5 M.Sc. ,, Chemistry	18	2	20
6 M.E. Degree	60	5	65
7 M.C.Ā Degree	91	20	111
8 P.G. Dip. in Electrochemical Engg.	2	--	2
c) Law Courses :			
1 B.L Degree	1084	97	1181
2 M.L. Degree	14	1	15
d) Education :			
1 B.Ed. Degree	263	536	799
2 M Ed. ,,	20	20	40
e) Others :			
1 M.Phil (Full - time)	163	119	282
2 M.Phil (Part - time)	48	9	57
Certificate Courses :			
1 Gandhian Thought	180	87	267
2 Journalism	17	8	25
3 Indian Culture	5	2	7
4 Functional and Conversational Hindi	10	5	15
5 Salesmanship	10	5	15
6 Rural Development	—	2	2
7 German	7	—	7

Course	Men	Women	Total
Diploma Courses :			
1 Gandhian Thought	22	14	36
2 Communication	23	2	25
3 Business Administration	32	–	32
4 Office Management	25	7	32
5 Management	5	2	7
6 Journalism	10	5	15
7 Tourism	3	1	4
8 Marxian Thought	2	–	2
9 Mass Media and Communication	2	1	3
10 Translation	2	1	3
11 Marketing and Foreign Trade	2	1	3
12 P.G. Dip. in personnel Management and Industrial Relations	41	2	43
13 P.G. Dip. in Counselling	16	4	20

2. Evening College Strength Statement :

Course	Year	Men	Women	Total
B.A History	I Year	–	–	–
	II Year	9	–	9
	III Year	4	–	4
,, Economics	I Year	27	–	27
	II Year	22	–	22
	III Year	10	2	12
,, English	I Year	—	–	—
	II Year	9	–	9
	III Year	7	1	8
B.Sc., Mathematics	I Year	14	—	14
	II Year	25	5	30
	III Year	16	4	20
,, General	I Year	20	–	20
Science	II Year	20	2	22

		Men	Women	Total
B.Com.	I Year	69	4	73
	II Year	69	10	79
	III Year	72	6	78
M.Com.	I Year	49	9	58
	II Year	34	1	35
M.A. History	I Year	21	4	25
	II Year	14	—	14
,, Economics	I Year	28	1	29
	II Year	24	3	27
,, English	I Year	8	1	9
	II Year	19	4	23
M Sc. Mathematics	I Year	29	10	39
	II Year	16	5	21
M.Phil.	I Year	130	41	171
	II Year	67	22	89
M.Phil. (Sequential)	I Year	78	39	117
Certificate Courses :		7	3	10
Diploma Courses :		103	5	108

3. Statement showing the number of students as on 31st December, 1987 in the various departments of the University.

1 M.A. Degree Course :

Tamil	18	16	34
Linguistics	18	1	19
English	21	17	38
History	50	5	55
History (P.G. Extension Centre, Palayamkottai)	12	5	27
Political Science	25	7	32
Sociology	15	18	33

Course	Year	Men	Women	Total
Sociology (P.G. Extension Centre, Palayamkottai)		9	—	9
Malayalam		8	4	12
French		1	4	5
Economics		35	4	39
2 M.Sc. Degree Courses :				
Mathematics		13	6	19
Mathematical Economics		17	9	26
Physics		6	8	14
Chemistry		12	19	31
Chemistry (P.G. Extension Centre, Palayamkottai)		8	15	23
Bio-Technology		14	11	25
Biology		8	9	17
Peace-Making		12	4	16
Computer Science		32	11	43
3 M.Phil Degree Courses :				
Tamil		13	17	30
English		21	18	39
English (P.G. Extension Centre, Palayamkottai)		..	16	16
History		24	7	31
Economics		12	8	20
Sociology		8	3	11
Sociology (P.G. Extension Centre, Palayamkottai		3	1	4
Malayalam		3	3	6
Telugu		4	5	9
Kannada		4	—	4
Education		5	2	7
Saiva Siddhanta Philosophy		3	—	3
Peace - Making		7	1	8
Geography		1	7	8
Political Science		12	1	13
Commerce		14	5	19

	Course	Year	Men	Women	Total
	Mathematics		11	13	24
	Physics		3	1	4
	Chemistry		5	3	8
	Chemistry (P.G. Extension Centre, Payalamkottai)		5	4	9
	Energy, Environment & Natural Resources		6	6	12
	Biological Sciences (Regular)		7	4	11
4	Commerce		32	4	36
5	M.B.A. (Full - time)		52	4	56
6	B.L.I.Sc.		24	11	35
7	M.L.I.Sc.		5	4	9
8	C.Lib.Sc.		52	29	81
9	Part - time Certificate and Diploma Courses :				
	1 Certificate Course in French		20	1	21
	2 ,, ,, in Malayalam		4	1	5
	3 ,, ,, in Kannada		2	2	4
	4 ,, ,, in Sanskrit		8	5	13
	5 ,, ,, in Telugu		4	—	4
	6 Diploma Course in French		7	3	10
	7 Higher Diploma Course in French		5	2	7
	8 Diploma Course in Kannada		3	—	3
	2 ,, ,, in Sanskrit		4	—	4
	10 ,, ,, in Telugu		5	—	5
	11 ,, ,, in Scientific Yoga & Meditation		5	1	6
	12 ,, ,, in Inter - religious Dialogue		6	2	8
	13 P.G. Diploma in Enterpreneural Development		6	1	7

4. **Statement showing the number of candidates enrolled year wise, subject-wise and class-wise in the ICC and CE for the academic year 1987-'88.**

Course	Year	Men	Women	Total
B.A. History E.M.	I	181	98	279
	II	192	121	313
	III	255	208	463
B.A. History T.M.	I	1247	714	1961
	II	1497	900	2397
	III	1680	799	2479
B.A. Pol Sc. E.M.	I	52	11	63
	II	57	13	70
	III	131	45	176
B.A. Pol. Sc. T.M.	I	179	47	226
	II	219	71	290
	III	226	76	302
B.A. Economics E.M.	I	167	101	268
	II	199	125	324
	III	282	181	463
B.A. Economics T.M.	I	506	190	696
	II	543	327	870
	III	688	315	1003
B.A. Soc. Sc.	I	57	37	94
	II	70	42	112
	III	89	72	161
B.A. Geography	II	16	6	22
	III	25	23	48
B.A. English Lit.	I	124	198	322
	II	195	179	374
	III	235	256	491
B.A. Tamil Lit.	I	259	275	534
	II	240	191	431
	III	238	259	497

Course	Year	Men	Women	Total
B.Sc. Maths	I	299	136	435
	II	321	203	524
	III	509	183	692
B.Com. E.M.	I	949	566	1515
	II	1136	848	1984
	III	1853	1390	3243
B.Com. T.M.	I	843	379	1222
	II	1276	440	1716
	III	1130	451	1581
M.A. History E.M.	I	253	247	500
	II	373	299	672
M.A. History T.M.	I	337	307	644
	II	752	395	1157
M.A. Pol. Sc. E.M.	I	359	104	463
	II	390	80	470
M.A. Pol. Sc. T.M.	I	354	49	403
	II	404	37	441
M.A. Economics E.M.	I	336	170	506
	II	207	171	378
M. A. Economics T.M.	I	295	99	394
	II	366	75	441
M.A. Gandhian. Thought	I	59	23	82
	II	63	16	79
M.A. Eng. Lit.	I	293	247	540
	II	199	239	438
M.A. Tamil Lit.	I	158	203	361
	II	245	202	447
M.Com.	I	1332	386	1718
	II	1650	448	2098

Course		Year	Men	Women	Total
B.G.L.		I	746	84	830
		II	917	92	1009
B.Ed.		–	608	684	1292
M.Ed.		–	944	685	1629
Cert. in Journalism & Mass Communication	E.M.	–	235	74	309
-do-	T.M.	–	140	36	176
Open University System :					
Introductory Course		–	586	136	722
Pre-Foundation Course		—	1401	443	1844
Foundation Course-I		—	726	442	1168
Foundation Course-II		—	1897	1058	2955
Cert. Course in Child Health & Family Welfare		–	45	75	120

APPENDIX – I

Statement showing the number of candidates who appeared and passed the various examinations conducted by the University during the year 1987 (Annual only)

Name of the Examinations	Appeared			Passed		
	Men	Women	Total	Men	Women	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Open University :						
Pre - Foundation Course	2021	631	2652	645	416	1061
Foundation Course I & II Year	3747	1550	5297	1068	1051	2119
Oriental Title :						
Preliminary	117	19	136	22	27	49
Final	164	150	314	62	47	109
B.A. (Semester)	3278	2223	5501	1004	1112	2116
B.A. (Non-Semester)	3948	2002	5950	796	549	1345
B.Sc. (Semester)	5314	2930	8244	1649	1499	3148
B.Sc. (Non-Semester)	386	170	556	46	31	77
B.Com. (Semester)	2906	1051	3957	1085	573	1658
B.Com. (Non-Semester)	4008	2233	6241	392	269	661
B.B.A. (Semester)	433	5	438	187	5	192
B Music (Semester)	1	14	15	1	12	13
B.A. (Special) (Sem)	–	32	32	–	16	16
B Litt (Semester)	7	13	20	6	12	18

M A (Semester)

Tamil (Revised)	114	120	234	91	109	200
Tamil (Old Syllabus)	13	3	16	11	3	14
English	186	218	404	39	100	139
History	177	184	361	111	17	128
Plitical Science	12	4	16	8	4	12
Philosophy & Religion	18	4	22	10	2	12
Economics	382	104	486	209	73	282
Sociology	18	8	26	15	8	23
Indian Culture	15	—	15	8	—	8
Social Work	42	9	51	39	9	48
Malayalam	4	6	10	2	5	7
French	5	4	9	4	4	8
Linguistics	8	—	8	7	—	7

M.A. (Non-Semester)

Tamil	920	820	1740	200	127	327
English	726	550	1276	100	84	184
History	1766	1214	2980	333	226	559
Economics	1293	487	1780	118	64	182
Political Science	1233	302	1535	236	76	312

M.Sc. (Semester)

Botany	143	46	189	55	43	98
Zoology	108	80	188	69	80	149
Geology	14	—	14	9	—	9
Mathematical Economics	9	1	10	6	1	7
Rural Development	17	1	18	13	—	13
M.B.A. (Semester)	45	6	51	45	6	51
M.B A. (Non-Semester)	50	—	50	43	—	43
M.Com, (Semester)	569	144	713	63	67	130
M.Com. (Non-Semester)	3890	842	4732	241	57	298

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Medical :						
M.B.B.S.	140	95	235	65	50	115
M.Pharm.	3	—	3	3	—	3
B.S.M. & S	35	10	45	25	10	35
M.D. General Medicine	57	3	60	10	1	11
,, Obstetrics & Gynaecology	—	10	10	—	3	3
,, Paediatrics	9	1	10	2	1	3
,, Anaesthesiology	6	1	7	2	—	2
,, Pathology	1	1	2	—	1	1
,, Psychiatry	1	—	1	1	—	1
,, Pharmacology	1	—	1	1	—	1
,, Venercology	1	—	1	1	—	1
,, (Siddha) Maruthuvam	5	—	5	1	—	1
,, (Siddha) II Gunapapadam	4	1	5	3	1	4
M.S. General Surgery	32	2	34	8	—	8
,, E.N.T.	7	—	7	3	—	3
,, Ophthalmology	10	—	10	5	—	5
M.Ch. Plastic Surgery	1	—	1	—	—	—
,, Paediatric Surgery	2	—	2	2	—	2
D.M. Neurology	7	—	7	3	—	3
Post-Graduate Diploma in Medicine :						
D.Orth.	7	—	7	2	—	2
D.L O.	11	—	11	6	—	6

1	2	3	4	5	6	7
D.A.	15	7	22	3	5	8
D.P.M.	5	—	5	2	—	2
D.G.O.	—	20	20	—	6	6
D.O.	21	5	26	7	—	7
D.C.H.	20	—	20	10	—	10
D.M.R.D.	11	1	12	3	—	3
D.V.	4	1	5	4	1	5
Law Conrses :						
B.G.L (Regular)	587	90	677	218	52	270
B.L. (3 years Regular)	355	40	395	96	21	117
B.L. (5 years)	451	182	633	160	80	240
M.L.	11	—	11	1		1
B.G.L. (I.C.C. & C.E.)	1140	95	1235	190	13	203
B.L. (Semester)	15	5	20	3	1	4
B.G.L. (Semester)	10	3	13	7	3	10
B.Ed. (Semester)	372	649	1021	218	564	782
B.Ed. (Non Semester)	507	546	1053	157	185	342
M.Ed. (Semester)	6	4	10	6	4	10
M.Ed (Non Semester)	1044	576	1620	377	561	638
Certificate Courses :						
Gandhian Thought	780	630	1410	279	286	565
Journalism	70	40	110	33	40	73
French	14	8	22	5	1	6

German	10	2	21	9	2	11
Russian	4	—	4	—	—	—
Malayalam	2	—	2	—	—	-
Sanskrit	4	1	5	4	1	5
Telugu	4	1	5	3	1	4
Kannada	1	—	1	—	—	
Arabic	5		5	4	—	4
Salesmanship	48	—	48	42	—	42
Diploma Courses :						
Gandhian Thought	70	40	110	33	40	73
Journalism	50	30	80	32	27	59
Tourism	35		35	11	—	11
Personnel Management & Industrial Relations	140	2	142	65	1	66
French	15	3	18	12	3	15
German	4	2	6	4	2	6
Management	36	—	36	17	—	17
Applied Nutrition & Dietetics.	20	17	37	20	17	37
Office Management	60	—	60	10	—	10
Health Education	25	10	35	25	10	35
Poplation Dynamics	16	—	16	10	—	10
Business Administration	45	—	45	33	—	33
Communication	18	—	18	17	—	17
Mass Communication & Media	4	—	4	—	—	—

APPENDIX—J

List showing the names of the candidates registered for the Degree of Doctor of Philosophy (Ph.D.) during the year, 1987.

S.No.	Registration No.	Name of the candidate and Dept. / College in which the candidate is working for the degree	Subject / Title proposed for Investigation	Name of the Supervisor
1	2	3	4	5
1.	2752	Tmty R. Lakshmi-Perundevi, Asst. Prof. of English, Sri Meenakshi Govt. Arts College for Women, Madurai.	*"K.A. Abbas an evaluation"*	Dr. T.V. Subbarao, Prof. & Head Dept. of English, Andhra Pradesh Open University, Hyderabad.
2.	2753	Selvi K. Mathuram, Asst. Prof. of Botany, Sri Parasakthi College for Women, Courtallam.	*"Influence of monochromatic visible light on uv induced changes in Higher plants"*	Dr. G. Kulandaivelu, Prof. & Head, Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University.
3.	2754	Thiru P. Karuppanan, P.G. Assistant, M.N.M.S.P.S. Higher secondary school, Mallankinar, Kamarajar District.	*"The role of the opposition parties in Tamilnadu (1955-1975)"*	Dr. S. Nagarajan, Prof. of South Asian studies East, Tamil University, Tanjavur.
4.	2755	Tmty A. Lakshmi, Asst. Prof. of Tamil, Seethalakshmi Achi College for Women, Pallattur.	"தமிழ் இலக்கியங்களில் பெண்கள் நிலை"	Dr. T. Sethupandian, Lecturer in Tamil, Madurai Kamaraj University.

5.	2756	Thiru C. Antony Devasahayam, Asst. Prof. of Mathematics, Rajapalayam Raju's College, Rajapalayam.	*"Topics in Graph Theory Reconstruction problem"*	Dr. Aravamudhan, Prof. & Head, Department of Maths, Thiagarajar College of Engineering, Madurai.
6.	2757	Thiru P. Rengasamy, Asst. Prof. of Philosophy, Madura College, Madurai.	*"Vivekananda and Rusell - A comparative Study"*	Dr. M. Shanmugam, Reader, Department of Gandhian Thought, Madurai Kamaraj University.
7.	2758	Selvi Beena Somanath, Research Scholar, Non-stipendiary, Dept. of Zoology, A.P.A. College of Arts & Culture, Palani.	*"Studies on food utilization in chosen crops"*	Dr. J. Muthukrishnan, Prof. of Zoology, A.P A. College of Arts & Culture, Palani.
8.	2759	Selvi V. Jeyabarathi, Asst. Prof. of Botany, Sri Parasakthi College for Women, Courtallam.	*"Comparative studies on the Hydrozen Photoproduction capacity of Photosynthetic Bacteria and Algae"*	Dr. G. Kulandaivelu, Prof. & Head, Plant Sciences, School of Biol. Sciences, Madurai Kamaraj University.
9.	2760	Tmty. . MPearlin Selvam, Asst. Prof. of Physical Education, A.P.C. Mahalaxmi College for Women, Tuticorin.	*"Construction of Motor Fitness Rating Norms for secondary & higher secondary school girls in Tamilnadu"*	Dr. M. Robson, Prof. & Director, Department of Physical Education & Sports Sciences, Annamalai University.
10.	2761	Thiru N. Nagalingam, Non-stipendiary Research scholar, Department of Tamil, Yadava College, Madurai.	"உடுமலை நாராயணகவி, பட்டுக்கோட்டை கல்யாண சுந்தரம் பாடல்கள்-ஒப்பாய்வு"	Dr. E. K. Ramasamy, Prof. of Tamil, Yadava College, Madurai.

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11.	2762	Thiru P. Chandra, Non-Stipendiary Research scholar, Department of Tamil, Yadava College, Madurai.	"ஐந்தாண்டுத் தமிழ்க் கவிதைகள்-1977-81"	Dr. M. Tamilkudimagan, Principal, Yadava College, Madurai.
12.	2763	Thiru V. Singaraj, Prof. of Commerce, A.P.S.A. College, Tiruppattur.	*"Marketing of Life Insurance by Life Insurance corporation of India with special reference to Madurai Division"*	Dr. S. Sudalaimuthu, Prof. of Commerce, A.P.S.A. College, Tiruppattur.
13.	2764	Thiru K. Manoharan, Research scholar, Department of Plant Ecology, School of Biol. Sciences, Madurai Kamaraj University.	*"Ecophysiological studies of Grazing lands of Eastern Ghats in Tamilnadu"*	Dr. Kailash Paliwal, Reader in Plant Ecology, School of Biological Sciences, Madurai Kamaraj University.
14.	2765	Thiru R. Subbiah, Non-Stipendiary Research scholar, Dept. of Tamil, Yadava College, Madurai.	"பத்தாண்டுத் தமிழ்க் கவிதைகள் 1957-1966"	Dr. M. Tamilkudimagan, Principal, Yadava College, Madurai.
15.	2766	Thiru C. Ayothi, Non-stipendiary Research scholar, Dept. of Tamil, Yadava College, Madurai.	"தமிழில் திருவிளையாடல் புராண இலக்கியங்கள்"	Dr. N. Ramalingam, Prof. of Tamil, Yadava College, Madurai.
16.	2767	Thiru T. Karunakaran, Research scholar, Dept of Microbiology, School of Biological Sciences, Madurai Kamaraj University.	*"Genetics of Zymomonas mobilis with reference to improvement for Bio-Ethanol production"*	Dr. P. Gunasekaran, Lecturer in Microbiology, School of Biological Sciences, Madurai Kamaraj University.

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17.	2768	Thiru V. Pouline, Asst. Prof. of History, Lekshmipuram College of Arts & Science, Neyyoor.	*"A History of Municipal Administration in Kanyakumari District"*	Dr. B. Sobhanan, Lecturer in History, University of Kerala, Trivandrum.
18.	2769	Thiru V. Lakshminarayanan, Research scholar, P.G. Dept. of Zoology, A.P.A. College of Arts & Culture, Palani.	*"Dynamics or organochlorine and organphosphate Pesticides in chosen Eco-system"*	Dr. R. Bhaskaran, Prof. Dept. of Zoology, A.P.A. Colleee of Arts & Culture, Palani.
19.	2794	Thiru B. Krishna Moorthy, Superintendent (D) Dept. of Chemistry Madurai Kamaraj University.	*'Socio Economic condition of small farmers - agricultural Labourers in selected villages - wet and Dry in Madurai District"*	Dr. R. Sankara Ramalingam, Prof. & Head, Dept. of Economics, Madurai Kamaraj University.
20.	2795	Thiru S. Dhanasekaran, Research Scholar, Dept. of Education, Madurai Kamaraj University.	*"The place of Ethics in History & Geography of Tamilnadu secondary Education text books and syllabi"*	Dr. G. Subramania Pillay, Reader & Head, Dept. of Education, Madurai Kamaraj University.
21.	2796	Thiru M. Justin Karuthu, Asst. Prof. of Tamil, N.. MChristian College, Martandam.	*"History and culture of Travancore with special reference to Tamil & Malayalam Literature from 18th to 20th Centuary"*	Dr. T. Natarajan, Reader in Tamil, Madurai Kamaraj University. Dr. M. Sivadasan, Lecturer in Malayalam, Madurai Kamaraj University.
22.	2797	Thiru A. Gnanadurai, Prof. of Mathematics, Nazareth Margoschis College, Pillaiyanmanai.	*"Operations Research"*	Dr. P.V. Ramakrishnan, Reader in Mathematics, Madurai Kamaraj University.

23.	2798	Miss Esther Paulino Jane, Research scholar, School of Biological Sciences, Madurai Kamaraj University	*"Physiological and Bio-energetic studies on the effects of Bacillus Thuringiensis on Lepidopterous Pest"*	Dr. S. Mathavan, Dept. of Animal Physiology School of Biological Sciences, Madurai Kamaraj University.
24.	2799	Thiru R. Kannan, Research scholar, Dept. of Gandhian Thought, Madurai Kamaraj University.	*"Traditional techniques of conflict resolution in Rural India with special reference to Vellalor Nadu Neilur Talk Tamilnadu in Gandhian Perspective"*	Dr. S. Jeyapragasam, Reader in Gandhian Thought, Madurai Kamaraj University.
25.	2800	Tmt. M. G. Santhakumari Research scholar, Dept. of Immunology, School of Biological Sciences, Madurai Kamaraj University.	*"Studies on HLA distribution and disease association in the population of Tamilnadu"*	Dr. Rm. Pitchappan, Reader in Immunology, School of Biological Sciences, Madurai Kamaraj University.
26.	2842	Thiru V. Madanagopal, Prof. & Head, Dept. of Commerce, M.S.S.W.B. College, Madurai.	*"Consumer information as a Dimension in consumer protection - A study with reference to consumers of selected Household Articles in Madurai District"*	"Dr. A. Amarchand, Prof. & Head, Dept. of Commerce, University of Madras, Madras.
27.	2843	Tmty. D.S. Dinamani, Prof. of Tamil, Arulmigu Palaniandavar Arts College for women, Palani.	*"A study of M.V. Venkatram's novels"*	Dr. (Mrs). G.D. Nirmala, Asst. Prof. of Tamil, Senthamil College, Madurai.
28.	2844	Thiru N. Chandrasekar, Asst. Prof. of Geology, V O.C. College, Tuticorin	*"Beach Placer minerul exploration along the Central Tamilnadu coast"*	Dr. G. Victor Rajamanickam Prof. & Head, Dept. of Ancient Industries, Tamil University, Tanjore.

29.	2845	Tmty. Gomathy K. Sivan, Prof. & Head, Dept. of Chemistry, A.P.A. College for women, Palani.	*"Chemical storage of solar energy"*	Dr. C.E. Sooriamurthy, Reader, School of Energy, Madurai Kamaraj University
30.	2846	Thiru A. Neethiulagarajan, Asst. Prof of Physics, V.H.N.S.N. college, Virudhunagar.	*"Effects of High impurity concentration and High pressure on some electronic properties of semi-conductors"*	Dr. S. Balasubramanian, Prof. & Head, School of Physics, Madurai Kamaraj University.
31.	2847	Thiru A. Elangovan, Asst. Prof. of Physics, American College, Madurai.	*"Some aspects of Electron / Phonon Interaction in Semi-conductors"*	Dr. K. Navaneethakrishnan, Reader in Physics, Madurai Kamaraj University.
32.	2848	Tmty M. Panneer, Asst. Prof. of Tamil, Sri Meenakshi Govt. Arts college for women, Madurai	"அனுராதா ரமணன் நாவல்களில் பெண்கள் நிலை"	Dr. N. Mariappan, Prof. of Tamil, Thiagarajar college. Madurai.
33.	2849	Thiru S. Lakshmisubramanian, Research scholar, Dept. of Microbiology, School of Biological Sciences, Madurai Kamaraj University.	*"Genetics of Nitrogen fixation with special reference to Azotobacter Chroococcum"*	Dr. M. Lakshmanan, Prof. & Head, School of Biological Sciences, Madurai Kamaraj University.
34.	2850	Thiru R. Velmurugan, Lecturer in Economics, ICC & CE., Madurai Kamaraj University	*"The Economics of Tourist van operations in Tamilnadu A study of vital issues"*	Dr. S. Velayudha Perumal, Dept. of Economics, ICC & CE., Madurai Kamaraj University.

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35.	2851	Tmt. Chellam Ramakrishnan, Asst. Prof. of Physics, Fatima college, Madurai	*"Lattice Dynamical investigation of Phase transitions in some crystals"*	Dr. N. Krishnamurthy, Prof. of Physics Madurai Kamaraj University.
36.	2852	Thiru B. Rajasekaran, Asst. Prof. of Business Administration, Aditanar college of Arts & Science, Tiruchendur.	*"Entreprenurship Development and Industrial Growth- A study with special reference to the Printing industry in Sivakasi, Tamilnadu"*	Dr. G. Parameswara Rao, Prof. & Head, Dept. of Management Studies, Madurai Kamaraj University.
37.	2853	Thiru T.C. Manohar, Asst. Prof. of Chemistry, S.T. Hindu college, Nagercoil.	*'Mechanism of Homogeneous catalysed oxidation of organic compounds"*	Dr. S. Rajagopal, Lecturer in Physical Chemistry, School of Chemistry, Madurai Kamaraj University.
38.	2854	Selvi N.R. Kamini, Research Scholar, Dept. of Microbiology, School of Biological Sciences, Madurai Kamaraj University.	*"Bio Chemistry and Genetics of zymomonas mobilis with reference to conversion of starch into Ethanol"*	Dr. P. Gunasekaran, Lecturer in Microbiology, School of Biological Sciences, Madurai Kamaraj University.
39.	2855	Thiru M. Kamsa Mohideen Prof. of Economics, Aditanar college of Arts & Science, Tiruchendur.	*"A study on the income & consumption pattern of college teachers in Tirnelvely Chidambaranar Districts"*	Dr M.P. Gurusamy, Prof. & Head, Dept. of Economics, Aditanar college of Arts & Science, Tiruchendur.
40.	2856	Thiru C. Pakkiam Principal, V.O.C college, Tuticorin.	*"Studies in Graph Theory - spectra of graphs"*	Dr. S. Arumugam, Prof & Head, P.G Dept. of Mathematics, St. John's college, Palayamkottai.

41.	2857	Thiru T.S. Emmanuel, Asst. Prof. of History, N.M. Christian college, Martandam.	*"Sri Mulam Thirunal and his Times - 1885 - 1924*	Dr. (Major) S.S Hector, Principal N.M. Christian college, Martandam.
42.	2890	Thiru T. Balakumar, Asst. Prof. of Botany, The American College, Madurai.	*"Nitrogen Metabolism of Higher Plants in relation to Radiation stress"*	Dr. Kailash Paliwal, Reader in Plant Ecology, School of Biological Sciences, Madurai Kamaraj University.
43.	2891	Thiru A. Thangaraj, Research Scholar, Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University.	*"Hydrogen production by Algae Bacteria and chloroplast and Hydrogenase systems"*	Dr. G. Kulandaivelu, Prof. Department of Plant Sciences, School of Biological Sciences, Madurai Kamaraj University.
44.	2892	Thiru V. Thangamani, Researh Scholar, Department of Geography, Madurai Kamaraj University.	*"Morphological evolution and evaluation of Land and water resources of Ponnaiyar Rivar basin, Tamilnadu"*	Dr. M.Sambasiva Rao, Lecturer, Department of Geography, Madurai Kamaraj University
45.	2893	Thiru R. Prabhakar, Research Scholar, Department of Bio-Chemistry, School of Biological Sciences Madurai Kamaraj University.	*Regulation of Gene Expression during Cardiac Hypertrophy"*	Dr. C. Rajamanickam, Prof. of Bio-Chemistry School of Biological Sciences, Madurai Kamaraj University.
46.	2894	Thiru S. Sekar, Research Scholar, Dept. of Tamil Studies, Madurai Kamaraj University.	நாட்டுப்புறக் கலை வடிவங்கள் கலைஞர்கள்-ஒரு சமூகவியல் ஆய்வு (மதுரை, திருநெல்வேலி மாவட்டங்கள்)	Dr. I. Muthiah, Lecturer in Tamil, Dept. of Tamil Studies, Madurai Kamaraj University.

1	2	3	4	5
47.	2896	Thiru D. Barathan, Asst. Prof. of Economics, Aditanar College of Arts & Science, Tiruchendur.	*"A study of village industries in Tirunelveli District"*	Dr. N. Durairaj, Reader in Economics, Madurai Kamaraj University.
48.	2897	Thiru T. Veerapandi, Asst. Prof. of Mathematics, P.M.T. College, Melaneelithanallur.	*"Non-linear Functional Analysis"*	Dr. K. Chandrasekhara Rao, Prof. of Mathematics St. Xavier's College. Palayamkottai.
49.	2898	Tmty. X. Rosary Mary, Asst. Prof. of Botany, St. Mary's College, Tuticorin.	*"Ecophysiological studies of some Halophytes"*	Dr. Kailash Paliwal, Reader in Plant Ecology, School of Biological Sciences, Madurai Kamaraj University.
50.	2899	Thiru R. Boominathan, Ass. Prof. of Chemistry, V.H.N.S.N. College, Virudhunagar.	*"Studies on Mechanism of chemieal reaction in solution"*	Dr. C. Gnanasekaran, Prof. of Chemistry, V.H.N S.N. College, Virudhunagar.
51.	2900	Selvi B. Chandrika, Asst. Prof. of Sanskrit, Seethalakshmi College for women, Pallattur.	*"A study of Atmabodha of Sri Sankara with the Prakasika commentary of Visweswarapandita"*	Dr. P.K. Sasidharan, Reader in Sanskrit, Madurai Kamaraj University.
52.	2901	Thiru S. Thillainayagam, Prof. of English, Saraswathi Narayanan College, Madurai.	*"Q D Leavis and the study of Fiction"*	Dr. T.V. Subbarao, Prof. & Head, Dept. of English, A.P. Open University, Hyderabad.
53.	2895	Thiru N. Mohan Kalyana Sundaram, Asst Prof. of Engish, Saraswathi Narayanan College, Madurai.	*"F.R. Leavis and the industrial civilization"*	Dr. T.V. Subba Rao, Prof. & Head Dept. of English A.P. Open University, Hyderabad.

54.	2902	Thiru S. Robert Gnanamoney, Asst. Prof. of English, Scott Christian College, Nagercoil.	*"Arthur Miller : An Existential Approach"*	Dr. S. Padmanabhan, Prof. Dept of English, Thiagarajar College, Madurai.
55.	2903	Thiru K. Solaisamy, Prof. & Head, Dept. of English, Devanga Arts College, Aruppukottai.	*"Philip Larkin : A Perspective"*	Dr. R. Ganapathy, Prof. of English, Annamalai University.
56.	2904	Thiru S. Manickam, Asst. Prof. of Economics, A.P.S.A. College, Tiruppattur.	*"Economics of exploration and exploitations of manganese Nodules in Indian Ocean with reference to India."*	Dr. R.E. Benjamin, Reader in Economics, Madurai Kamaraj University - (GUIDE) Dr. G. Victor Rajamanickam, Prof. & Head, Dept. of Ancient Industries, Tamil, University, Thanjavur. (CO GUIDE)
57.	2920	Thiru SP. Thamilmaran, Asst. Prof. of Political Science, P.T.M.T.M. College, Kamuthi.	*"Political orientation of Post Graduate students in Madurai Kamaraj University"*	Dr. S. Subramanian, Prof. & Head, Dept. of Political Science, Madurai Kamaraj University.
58.	2921	Thiru P. Thirumalvalavan, Lecturer in Commerce, ICC & C.E., Madurai Kamaraj University.	*"Investors' behaviour and new issue management in Tamilnadu"*	Dr. K. Amarchand, Prof. & Head, Dept. of Commerce, University of Madras, Madras.
59.	2950	Thiru S. Karuppiah, Prof. of Tamil, The Sethupathi Govt. Arts College, Ramanathapuram.	"செவ்வைச் சூடுவார் பாகவதம் அமைப்பும் விளக்கமும்"	Dr. C. Kathir Mahadevan, Reader in Tamil, Madurai Kamaraj University.

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60.	2966	Thiru V. Lawrence, P.G. Assistant S.L.B. Govt. Higher Secondary School, Nagercoil.	*"History of Catholic Church in Kanyakumari District"*	Dr. B Sobhanan, Department of History, University of Kerala Trivandrum.
61.	2967	Thiru M Lellis Thivagar, Research Scholar, School of Mathematics, Madurai Kamaraj University.	*"Studies in Topology and Analysis"*	Dr. P V.R amakrishnan, Reader, Dept. of Mathematics, Madurai Kamaraj University.
62.	2968	Selvi P. Sathiyabama, Research Scholar, Dept. of Tamil, Madurai Kamaraj University.	"தமிழ் சிறுகதை வளர்ச்சியில் தீபம் இதழில் பங்கு"	Dr. S. Venkatraman, Reader, Dept. of Tamil, Madurai Kamaraj University.
63.	2969	Thiru R. Ilangovan, Research Scholar, School of Biological Sciences Madurai Kamaraj University.	*"Developmental studies on South Indian Rattam"*	Dr. D. Padmanabban, Prof. & Head, Plant Morphology, Dept. of Plant sciences, school of Biological Sciences, Maduari Kamaraj University.
64.	2970	Thiru C.R. Yuvarajan, Research scholar School of Chemisty, Madurai Kamaraj University.	*"Chemical Examination of Indian Medicinal Plants"*	Dr. P. Ramesh, Lecturer in Organic Chemistry, school of Chemistry, Madurai Kamaraj University
65.	2971	Thiru S. Seenivasan, Research scholar, Dept. of Tamil Studies, Madurai Kamaraj Universiiy	"தமிழ் மலையாள மொழிகளில் பக்தி இலக்கிய ஒப்பீடு"	Dr. M. Thirumalai, Lecturer in Tamil, Madurai Kamaraj University.
66.	2972	Selvi K. Anuradha, Research Scholar, Dept. of Bio-Chemistry, Madurai Kamaraj University.	*"Mitochondriogenesis in yeast"*	Dr. J. Jayaraman, Head, Dept. of Bio-Chemistry, School of Biological Sciences, Madurai Kamaraj University.

67.	2973	Thiru M.S.A. Ibrahim, Asst. Prof. of Physical Science, Thiagarajar college of Preceptors, Madurai.	*"Factors related to B.Ed. students achievement in Physical Science"*	Dr. K. Krishnan, Dept. of Education, Madurai Kamaraj University
68.	2974	Tmt. Kasthuri Bai Dhanasekaran, Asst. Prof. of Economics, Lady Doak College, Madurai.	*"Techological change and labour employment in Agriculture"*	Dr. R. Sankaramalingam, Prof. & Head, Dept. of Economics Madurai Kamaraj University.
69.	2975	Selvi K.R. Gunasundara Devi, Asst. Prof. of Political Science, J.A. College for women, Periyakulam.	*"Municipal Administration with special reference to Periyakulam Municipality"*	Dr K. Pandurangam, Reader in in Political Science, Madurai Kamaraj University.
70.	3008	Selvi S. Mythili Velumani, Research Scholar, Dept. of Bio-Chmistry, School of Biological Sciences, Madurai Kamaraj University.	*"Gene Amplification in Streptomyces,'*	Dr. K. Dharmalingam, Prof. & Head, Dept. of Bio-Chemistry, School of Biological Sciences, Madurai Kamaraj University
71.	3009	Thiru G.N. K. Ramesh Babu, Jr Scientific Asst., C.E.C.R.I., Karaikudi.	*' Studies on Electro Deposition and characterization of Nickel composits"*	Dr. K. I. Vasu, Director, C.E.C.R.I., Karaikudi.
72.	3010	Selvi L. Cindrella, Research Scholar, School of Energy, Madurai Kamaraj University.	*"Some investigation in solar Thermal equipments"*	Dr. C.E. Sooriamoorthi, Reader, School of Energy Environment & Natural Resources, Madurai Kamaraj University.
73.	2976	Thiru S.K. Subramanian, Asst. Prof. of Botany Thiagarajar College, Madurai.	*"Studies on Diatoms from the Marine Environment of Tuticorin"*	Dr. M. S. Krishnamoorthy, Prof. & Head, Department of Botany, Thiagarajar College, Madurai.

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74.	2977	Thiru K. Boj, Lecturer in Mathematics, ICC & C.E., Madurai Kamaraj University	*"Algorithmic approach to optimization"*	Dr. M A. Sundaram, Prof. of Mathematics, Madurai Kamaraj University.
75.	2978	Thiru S. Krishnan, Lecturer in Mechanical Engg., Thiagarajar College of Engg. Madurai.	*'Some new approaches to solve linear programming problems"*	Dr. T.R. Natesan, Director, Govt. Data Centre, Madras-600 025. Dr. B N Nityanandam, Prof. & Head, Department of Elec. Engg., Thiagarajar College of Engg. Madurai.
76.	2979	Thiru R. Issac Jaya Dhas, Asst Prof of History, N.M. Christian College, Martandam..	*"The History of the Public Works Department in Kanyakumari District" 1860-1935"*	Dr. (Major) S.S Hector, Principal, N.M. Christian College. Martandam.
77.	2980	Thiru E. Thirumalai Kumarasamy, P.G. Prof & Head, Department of Economics, The M.D.T. Hindu College, Tirunelveli.	*"Role of Boarding and lodging sector of Tirunelveli Kattabomman District in Tourism"*	Dr S. Velayudha Perumal, Lecturer in Economics, ICC & C.E, Madurai Kamaraj University.
78.	3011	Thiru M. Murugan, Asst. Prof. of Mathematics, The American College, Madurai.	*Topics in Graph Theory-Graceful Graphy"*	Dr. R. Aravamudhan, Prof. of Mathematics, Thiagarajar College of Engg., Madurai.
79.	3012	Thiru C. Sekar, Asst. Prof. of Mathematics, Aditanar College of Arts & Science, Tiruchendur.	*"Studies in Number Theory"*	Dr. V. Swaminathan, Prof. of Mathematics, Aditanar College of Arts&Science, Tiruchendur.

80.	3013	Thiru M. Velrajan, Asst Prof of Mathematics, Aditanar College of Arts & Science, Tiruchendur.	*"A Ring Theoretic Generalisation of prings"*	Dr. V. Swaminathan, Prof. of Mathematics, Aditanar College of Arts&Science, Tiruchendur.
81.	3014	Fr. Stephen T. de Souza, S.J. Prof. of Zoology, St. Xavier's College, Palayamkottai.	*"Studies on the effects of Detergents of Aquqtic insects"*	Dr. Dunston P. Ambrose, Asst. Prof. of Zoology, St. Xaviers College, Palayamkottai.
82.	3015	Thiru I. Arul Raj, Scientist, C.E.C.R.I., Karaikudi.	*"Hydrogen and oxygen electrodes based on transition metals in Alkaline medium"*	Dr. K. I. Vasu, Director, C.E.C.R.I., Karaikudi.
83.	3017	Thiru J. Arun Raja Selvam, Research Scholar, Department of Linguistics, Madurai Kamaraj University.	*"Problems in translating English into Tamil"*	Dr M. Israle, Prof. & Head, Department of Linguistics, Madurai Kamaraj University
84.	3018	Thiru A.R. Ponniah, Principal, P.M T. College, Melaneelithanallur.	"திருவாசகத்தில் காணலாகும் உருக்காட்சிக் கொள்கைகள் ஒரு திறனாய்வு"	Dr. P. Thiagarajan, Addl. P.G. Prof. of Tamil, The M.D.T. Hindu College, Tirunelveli.
85.	3019	Thiru G. Dominic Savio, Asst. Prof. of English, The American College, Madurai.	*"Mulk Raj Anand and Jeyakanthan : A comparative study"*	Dr. P. Marudanayagam, Director, Department of English, Central University, Pondicherry.
86.	3044	Thiru S.A. Remijuse, Bharatharaj, Tamil Pandit, St. Antony's Higher Secondary School, Kanniyakumari.	*Nannul and Ilakkana Vilakkam-A comparative study"*	Dr. A. Athithan, Lecturer, Department of Linguistics, Madurai Kamaraj University.

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87.	3045	Thiru K.R. Santharam, Superintent (D) Punching Section, Madurai Kamaraj University.	*"Canka Ilakkiyathil Maa, Pull Varunaiyum karuthu Velippadum"*	Dr. S. Sambasivan, Reader in Tamil, ICC&CE, Madurai Kamaraj University.
88	3046	Thiru S. Subramanian, Prof. of Chemistry V.H.N.S.N. college, Virudhunagar.	*"Applications of correlation analysis to the Reactivity of organic compounds"*	Dr. A. Shanmugasundaram, Prof. of Chemistry, V.H.N.S.N. college, Virudhunagar.
89.	3047	Tmt. V.R. Rajakumari, Asst. Prof. of Tamil Govt. Arts college for women, Tirunelveli	"இந்துமதி-சிவசங்கரி நாவல்களில் மகளிர் நிலை"	Dr. P. Dakshinamurthy, P.G. Prof. of Tamil, Dept. of Tamil, The M.D.T. Hindu college, Tirunelveli
90.	3048	Tmt. S. Jalaja, Prof. & Head, Dept. of English, Sri Parasakthi college for women, Courtallam.	*"A comparative study of P.B. Shelly and N. Kumaran Asan as poets"*	Dr. V. Sachithanandam, Prof. & Head, Dept. of English & Comparative Literature, Madurai Kamaraj University (GUIDE) Dr. M. Sivadasan, Reader in Malayalam, Madurai Kamaraj University (CO-GUIDE)
91.	3049	Thiru M. Kumarasamy, Prof. of Tamil, The Govt. Arrs college, Melur.	"சிவகவிமணி சி. கே. சுப்பிரமணிய முதலியாரின் பெரிய புராண உரைத்திறன்"	Dr. N. R. Mohan, Lecturer in Tamil, ICC & CE., Madurai Kamaraj University

92.	3050	Thiru R. Rajasekaran, Asst. Prof. of Commerce, A.P.S.A. college, Tiruppattur.	*"A study of Marketing of raw hides and skins in Tamilnadu"*	Dr. M A. Arulanandam, Prof. & Head, Dept. of Commerce, Madurai Kamaraj University.
93.	3051	Thiru J. Durairaj, Prof. of Tamil, G.T.N. Arts college, Dindigul.	ஆயக்கண்ணின் படைப்பிலக்கியத்திறன் (சிறு கதைகள், புதினங்கள் வாயிலாக)	Dr. N.R. Mohan, Lecturer in Tamil, ICC & CE., Madurai Kamaraj University.
94.	3052	Thiru C. Iyappan, Asst Prof. of English, Sri K.G.S. Arts college, Srivaikuntam.	*"Ralph Ellison's invisible man: A study of the impact of Black consciousness of American culture"*	Dr M.K. Sripathi, Head, Dept. of English, Madurai Kamaraj University P.G. Extension centre, Palayamkottai.
95.	2905	Thiru R. Muthumaran, P.G. Assistant, Govt. Higher Secondary, Vadamadurai.	*"Anna Mavatta Nattuppurap Padalgal Kattum Mackal vazhviyal*	Dr. T. Natarajan, Reader in Tamil, Madurai Kamaraj University
96.	2907	Selvi P.K. Kalyani, Research Scholar, Dept. of English & Comparative Literature, Madurai Kamaraj University.	*"Mark Twain and R.K. Narayanan: A comparative study"*	Dr. V. Sachithanandam, Prof. & Head, Dept. of English & Comparative Literature, Madurai Kamaraj University.
97.	2906	Thiru P. Palanichamy, Research scholar, Dept. of Political Science, Madurai Kamaraj University.	*"District Police Administration with special reference to Madurai District"*	Dr K. Pandurangan, Reader in Political Science, Madurai Kamaraj University.
98.	2908	Thiru B.V. Sathyanarayana Bhat Research Scholar, Dept. of Kannada, Madurai Kamaraj University	*"Regionality in Kannada novels"*	Dr. P.S. Srinivasa, Prof & Head, Dept of Kannada, Madurai Kamaraj University.

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99.	2909	Thiru K. Shahul Hameed, Non-stipendiary Research scholar, Dept. of Tamil, Thiagarajar College, Madurai.	"சமுதாயச் சித்திரிப்பில் வார இதழ்களின் பங்கு-1986-87"	Dr. A. Ramakrishnan. Prof. of Tamil, Thiagarajar College, Madurai.
100.	2910	Selvi B. Ganapathy, Research scholar, Dept. of Tamil Studies, Madurai Kamaraj University.	'சங்க இலக்கியத்தில் மதுரை மாநகர்"	Dr. M. Manivel, Lecturer in Tamil, School of Tamil Studies, Madurai Kamaraj University.
101.	2951	Thiru M.S. Vasan, Tamil Pandit, Govt. Higher Secondary School, Kalligudichatram.	"சங்கப்புறத்திணை இலக்கியங்களில் மெய்ப்பாடுகள்"	Dr. A. Ramakrishnan, Prof. of Tamil, Thiagarajar College, Madurai.
102.	2952	Selvi B. Ananthavalli Research Scholar, School of Historical Studies, Madurai Kamaraj University.	*"Crime and punishment in Tamil society upto 1300 A.D. - A Historical study"*	Dr. R. Venkataraman, Reader in Ancient History School of Historical Studies, Madurai Kamaraj University.
103.	3138	Tmty S. Vijayalakshmi, Prof. of History, A.P.C. Mahalakshmi College (W) Tuticorin.	*"History of Srivaikuntan"*	Dr. D R. Rajeswari, Prof. of History, ICC & C.E., Madurai Kamaraj University.
104.	3139	Thiru N. Rajappan, Prof. of History, Scott Christian College, Nagercoil.	*"Arambol y Through the Ages"*	Dr. G. Thangavelu, Prof & Head, School of Historical Studies, Madurai Kamaraj University.

105.	3101	Thiru K. Sevugaperumal, Asst. Prof. of Economics, Thiagarajar College, Madurai.	*"Socio - Economic study of scheduled caste workers in large scale and small scale industries in Madurai District"*	Dr. G. Velan, Reader in Economics, Madurai Kamaraj University.
106.	3102	Sr. Elsy George, Asst Prof. of Economics, Holy Cross College, Nagercoil.	*"An economic study of Educational services to the women at the collegiate level in South India by the religious congregations"*	Dr. R.E. Benjamin, Reader in Economics, Madurai Kamaraj University.
107.	3103	Thiru R. Rajalingom, Asst. Prof. of History, S.T. Hindu College, Nagercoil.	*"Socio - religious reform movements in Nanjilnad 1850 to 1956 A D"*	Dr. B. Sobhanan, Lecturer in History, University of Kerala, Trivandrum.
108.	3105	Tmty Rm. Meenakshi, Asst. Prof. of History, M.V.M. Govt. Arts College (W) Dindigul.	*"Temple administration in chola period from 850 to 1250 A.D."*	Dr. D.R. Rajeswari, Prof. & Head, Dept. of History, ICC & CE, Madurai Kamaraj University.
109.	3105	Thiru G. James Thiyagaraj, Asst. Prof. of Botany, St. John's College, Palayamkottai.	*"Cytotaxonomical studies on some South Indian Araceae"*	Dr. Fr. V S. Manickam, Asst. Prof. of Botany, St. Xavier's College, Palayamkottai.
110.	3106	Thiru Y. Jeya Soundra Rajan, Small Scale Industries Officer, Punjab National Bank, Madurai.	*"Equation of Repayment"*	Dr. U. Surya Rao, Reader, Dept. of Management studies, Madurai Kamaraj University.
111.	3189	Thiru M. Solomon Bernard Shaw, Asst. Prof. of History, Arulanandar College, Karumathur.	*"The Hindu Christian cultural symbiosis in Tamil country - A Historical survey - 1500 - 1947 A.D."*	Dr. R. Venkatraman, Reader in Ancient History, Madurai Kamaraj University.

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112.	3190	Thiru M. Paramasivan, Lecturer in History, ICC & C.E., Madurai	*"Emigration of Tamil indentured labour to South Africa"*	Dr. D R. Rajeswari, Prof. & Head, Dept. of History, ICC & C E , Madurai Kamaraj University.
113.	3191	Thiru J. Joseph Christadoss, Asst. Prof. of English, Pope's College, Sawyerpuram	*"Educational Technology and English Studies at college level.*	Dr. Rosy D Souza, Prof. of English, Madurai Kamaraj University.
114.	3192	Tmty. B. Leelambica Prof. of Botany, St. Mary's College, Tuticorin.	*"Effect of ofPollution on the Macrophytee of Tuticorin coast with special reference to Bio-chemical changes"*	Dr. M.S. Krishnamurthi, Prof. & Head, Dept. of Botany, Thiagarajar College, Madurai.
115.	3137	Tmty. G. Vasuki, Research scholar, School of Chemistry, Madurai Kamaaj University.	*"Studies in linear free energy relationships employing spectral methods"*	Dr. S. Perumal, Reader, School of Chemistry, Madurai Kamaraj University. Dr. N. Arumugam, Prof. & Head, School of Chemistry, Madurai Kamaraj University.
116.	3099	Thiru A. Gunamalai, Asst. Prof. of Economics, The American College, Madurai.	*"Comparative Economic performance of Two varieties of tobacco in Anna District, Tamilnadu"*	Dr. G. Subramaniyan, Reader in Economics, Madurai Kamaraj University.

117.	3100	Thiru A. Ramasamy, Prof. of History, Govt. Arts College, Melur	*"Language Policy of Dr. C.N. Annadurai"*	Dr M. Tamilkudimagan, Principal, Yadava College, Madurai. (GUIDE) Dr. S. Manickam, Reader, School of Historical Studies, Madurai Kamaraj University. (Co-GUIDE)
118.	3134	Thiru M. Patturajan Tharmavasagam, Special representative for the Govt. of Tamilnadu, New Delhi.	''தமிழகத்தில் வரதட்சணை முறையும் அணுகு முறையும்''	Dr Rm. Periakaruppan, Prof. & Head, Dept. of Tamil Studies, Madurai Kamaraj University. Dr. Albert Johnson. Reader, Dept. of Political Science, Madurai Kamaraj University.
119.	3135	Thiru S. Selvaraj, Principal, Kamaraj College, Tuticorin	*"Job satisfaction of college teachers in relation to Educational standards"*	Dr. N. Vedamani Manuel, Associate Director of Academic Staff College, University of Kerala.
120.	3136	Thiru K. Ramanujam. Prof. of Tamil, Yadava College, Madural	''வைணவ அந்தாதி இலக்கியங்கள்''	Dr. S. Venkataraman, Reader in Tamil, Madurai Kamaraj University.
121.	3188	Thiru V. Ganesan, Asst. Prof. of Botany, A.N.J.A. College, Sivakasi.	*"Architecture and growth strategies of Tropical trees in relation to successional status in western Ghats"*	Dr. Kailash Pailwal, Reader in Plant Ecology, School of Biological Sciences, Madurai Kamaraj University.
122.	3020	Thiru P. Natarajan, Research Scholar, Dept. of Education, Madurai Kamaraj University	*"Development of Tribal Education in Nilgiris"*	Dr. G. Subramonia Pillay, Reader in-charge of Dept. of Education, Madurai Kamaraj University.

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123.	3021	Thiru M Sankaranarayana Pillai, Prof. of Chemistry, S.T. Hindu College, Nagercoil	*"Coordination componnds"*	Dr. Natarajan, Prof. of Chemistry, School of Chemistry, Madurai Kamaraj University - (GUIDE) Dr. M. Sivasankaran Nair, Lecturer in Inorganic Chemistry, Madurai Kamaraj UniversityP.G.ExtensionCentre, Palayamkottai-(Co-GUIDE)
124.	3022	Thiru A. Duraisamy, Research Scholar Dept. of Economics, Madurai Kamaraj University.	*"A study of Paper Industry in India - with special reference to Tamilnadu"*	Dr. T. Valuthi Varagunasingh, Reader in Econometrics, Madurai Kamaraj University.
125.	3053	Thiru B. Muthukumar, Research scholar, Dept of Plant Science, School of Biological Sciences, Madurai Kamaraj University	*"Production of Herbicide Resistant crops using tissue culture and genetic transformation using Agrobaeterium"*	Dr. A. Gnanam, Vice - Chancellor, Bharathidasan University, Trichy.
126.	:054	Tmt. Annielet Bahmi, Research Scholar, Dept. of Tamil Studies, Madurai Kamaraj University.	''சங்க அகப்பாடல்களின் அடிக்கருத்துக்கள்''	Dr. C.K. Mahadevan, Reader, Dept. of Tamil studies, Madurai Kamaraj University

127.	3098	Thiru P Nagoorkanai, Research Scholar, School of Historical Studies. Madurai Kamaraj University.	*"Social changes in Tamilnadu"*	Dr. D. Daniel, Reader in Modern History, School of Historical Studies, Madurai Kamaraj University.
128.	3055	Tmty. K. Vasantha, Prof. & Head, Dept. of Tamil, E. M. G. Yadava women's college, Madurai.	"மகாபாரதம் தொடர்பான நாட்டுப்புறக்கதைப்பாடல்கள் ஓர் ஆய்வு"	Dr. I. Muthiah, Lecturer, Dept. of Tamil, Madurai Kamaraj University
129.	2911	Thiru A.G. Mukundan, Research scholar, Dept. of Microbiology, School of Biological Sciences, Madurai Kamaraj University	*"Bio chemical and genetic aspect of Zymomonas mobilis with reference to sucrose fermentation"*	Dr. P. Gunasekaran, Lecturer in Microbiology, School of Biological Sciences, Madurai Kamaraj University.

APPENDIX—K

STATEMENT SHOWING THE NUMBER OF Ph.D./ D.Litt. DEGREES AWARDED BY THIS UNIVERSITY SO FAR IS FURNISHED HEREUNDER

YEAR	1986			1987		
FACULTY	Ph.D.	M.Litt	D.Litt.	Ph.D.	M.Litt	D.Litt.
ARTS	53	1	—	54	—	1
SCIENCE	39	—	—	31	—	—
COMMERCE	2	—	—	5	—	—
EDUCATION	1	—	—	1	—	—
(BUSINESS ADMINISTRATION)	—	—	—	1	—	—
ENGINEERING	1	—	—	1	—	—
MEDICINE	—	—	—	2	—	—
INDIAN SYSTEM OF MEDICINE	—	—	—	1	—	—
GANDHIAN STUDIES	—	—	—	1	—	

Subject - wise Ph.D. degree awarded in 1987.

Subjects :	*Nos.*	*Subjects.*	*Nos.*
Tamil	34	Biological Sciences	15
English	6	Physics	7
Economics	5	Chemistry	7
History	5	Mathematics	2
Political Science	2	Medicine	2
Hindi	1	Indian system of Medicine	1
Malayalam	1	Gandhian Studies	1
Commerce	5		
Business Administration	1		
Engineering	1		
Education	1		

APPENDIX—L

Detailed report on the Teaching and Research activities of the University Departments :

DEPARTMENT OF TAMIL STUDIES

I. **Staff** *:*

Professor and Head of the Department. — *Dr. Rm. Periakaruppan, M.A., Ph D.,*

Professor :

1. Dr. G. Vijayavenugopal, M.A., M.Litt., Ph.D ,

Readers :

2. Dr. C.K Mahadevan, M.A , M.Litt., Ph.D ,
3. Dr. V. Saraswathi, M.A , Ph.D., Dip. in Ling.
4. Dr. M. Navaneethakrishnan, M.A., B O.L., Ph.D.,
5. Dr. A. Santha, M.A., Ph.D., Dip. in Journalism., Ling., & Malayalam.
6. Dr. T. Natarajan, M.A , Ph.D.,
7. Dr. S. Venkataraman, M.A., Ph.D., Dip. in Sans., & Ling.,
8. Dr. P. Vijayalakshmi, M.A., Ph.D ,
9. Dr. N.R. Mohan, M.A., Ph.D., Dip. in Ling., Malayalam., & Cert in Translation.
10. Dr. A Srinivasan, M.A., Ph.D.,

Lecturers :

11. Dr. C. Kanakasabapathy, M.A., Ph.D., Dip in Ling.
12. Dr. M. Thirumalai, M.A , Ph.D.,
13. Dr. M. Manivel, M.A., Ph.D.,
14. Dr. I Muthiah, M.A., Ph D.,
15. Dr. S. Sasireha, M.A., Ph.D., Dip. in Journalism & Kannada.
16. Dr. C. Sarathambal, M.A., Ph.D., Dip. in Sanskrit.
17. Dr. N. Muthu Mohan, M.Sc., Ph.D.,

II. Research Activities :

Dr RM. Periakaruppan

a) *Research works published during the year* :

Tholkappiyar's Poetics : Ullurai, Irraichi. Puthiya Nokkil Thiruvasakam, Aayviyal Arimugam (Completely revised edition)

b) *Research works under print* :

Tholkappiyars Poeties - sixteen monographs

c) *Research works under progress* :

ஆராய்ச்சி அணுகு முறைகள்
ஒப்பிலக்கியக் கோட்பாடுகள்
நெஞ்சை அள்ளும் சிலம்பு

d) *Any other general information* :

Executive Committee member, Sahitya Academi: Language Advisory Committee Member, Bharatiya Jnanpith; Member of the Panel : Modern Indian and African Languages, UGC; Member, State Institute of Education, Kerala. Member of the senate, Tamil University Member of the Board of Studies of 12 Universities in India.

Dr. G. Vijayavenugopal

a) *Research works published during the year* :

Cave paintings at Cirumalai - Tamil civilization - Tamil University, Thanjavur, 1987

b) *Research works under print* :

1. Kazhugumalai Veṭṭuvān Kōvil and Ellora Kailasanatha Temple, A comparative study.

2. Indian Literary Theories - Part II

c) *Research works under progress*

"Tamil grammatical theories and Navya Nyayika doctrines"

d) *Extra curricular activities* ;

Member, vaigai Artists Association, Madurai; Member, EPIC, Madurai, Member, Ragapriya - Chamber Music club, Madurai

e) *Other general information* :

1. Attended a UGC national workshop on Academic Staff college at Sagar, Madhya Pradesh, 1987
2. Resource Person, UGC, Summer Institute on Linguistics & Folklore at Coimbatore, Bharathiar University, 1987.
3. Chairman, NSS Unit 76, MKU, Madurai

Dr. C. K. Mahadevan

a) *Research works published during the year*

Themes of Love Songs - compared; Generic Development of "Kuravanji"

b) *Research works under print* :

காதற் பாடல்கள் ஒப்பீடு
— A book under Printing

c) *Research works under progress* :

Art of Book Publishing — A Scientific study
—A project work sanctioned by the University is under progress

d) *Extra - curricular activities* :

1. As Publication Officer under my supervision 30 books are being printed.

e) 2. Member of the Publication Committee of Gandhigram Rural University

f) *Other general information* :

Organised Ain Tamil Vizha, Edited; and Published "University Brochure"

Dr. V. Saraswathi.

a) *Research works published during the year* :

1. A note on Tamil mythology" — நாட்டுப்புறவியல் ஆய்வுக்கோவை தமிழ்ப்பல்கலைக்கழகம், தஞ்சாவூர்

b) *Research works under printing* :

Book - collected papers on Tamil Folk tales

c) *Research works under progress* :

1. "A comparative study of Tamil and Greek mythology" to be presented in the National seminar on Folklore - to be conducted in Bharatiyar University, from 18th - 20th Dec '87 (2). "Myth and its meaning"- to be presented in the seminar-to be conducted in Tamil University, Tanjavur in Jan. 88"

Dr. M. Navaneethakrishnan

a) *Research works published during the year* :

1. Ramayana Through Folk-Arts
2. Improvisation elements in Folk-Theatre

b) *Research works under print* :

Tamil Ilakkiyathil Ārrupadai

c) *Research works under progress* :

1. Kaniyan koothu
2. Oyilāttam
3. Sankaradas Swamigals' Musical plays

d) *Extra - curricular activities* :

Learning Devarāttram and Oyilattam
Folk Song Collection

e) *Other general Information* :

1. Conducted one-day Folk Art workshop at Arulanandar College, Karumathur.
2. Training of Oyilattam given to Yadava women's College, Madurai.
3. Demonstration on Tamil Folk-Art forms at Queen Mary's College Madras on Dec. 9th 1987

Dr. Santha

a) *Research works under printing :*

Books : 1. Mass Communication

2. Gandhi as a Communicator

b) *Research works under progress :*

Individual Project : "Creating environmental awareness among women through audio-visual communication" funded by the University

c) *Extra-curricular activities :*

1. Serving as Editor for Madurai Kamaraj University News letter.
2. Serving as N.S.S. Programme officer for unit No. 189.

Dr. T. Natarajan

a) *Research works published during the year :*

Book : 1) Ayothi kathai A Folk Ramayanam)

b) *Research works under print :*

Book : Collection of Tamil Folk Tales.

c) *Research works under progress :*

1) 'caṭu kuṭu' (A Folk play)

2) 'Problems in teaching Tamil Grammar to Tamils'

Dr. S. Venkataraman

a) *Research works published during the year :*

1. மு.வ.வும் தாகூரும்,
மு.வ. கருத்தரங்கக் கட்டுரைகள்

2. திருப்பாவை பெரியவாச்சான் பிள்ளையின் உரையில் அவதாரிகை
இ.ப.த.ம. 19வது ஆய்வுக்கோவை, 1987.

3. ராஜம் கிருஷ்ணனின் இருநாவல்களில் ஆசிரியர் படைப்பு
அனைத்திந்தியத் தமிழ் இலக்கியக்கழகம் -
முதல் கருத்தரங்கம் ஜுன் 1987

4. தமிழியலாய்வு சில புதிய அணுகுமுறைகள்
- திருக்குறள் ஆய்வகம்

5. தமிழ் நாவல்களில் ஆசிரியர்
தமிழ் நாவல்களில் உழைப்பாளர், பாளையங்கோட்டை

6. 'இதழ்ச் சிறுகதைகளில் மகளிர்'
மக்கள் தொடர்புச் சாதனங்களும் மகளிர் மேம்பாடும் - கருத்தரங்குக் கட்டுரைகள்

7. சிவசங்கரியின் சிறுகதைகளில் மகளிர்
- சிவசங்கரி கருத்தரங்கக் கட்டுரைகள்

8. தொகுப்பியலில் வைணவச் சொற்கள்
- அகராதிக்கலைக் கருத்தரங்கக் கட்டுரைகள்

9. Impact of Nehru on Rajamkrishnan and Jegacirpian Novels. Collected papers of the Seminar on the impact of Jawaharlal Nehru on Indian Literature.

b) *Research works under print* :

Books : 1) சிறுகதைக்கலைஞர் ஜெயகாந்தன்
Papers : 1) திருவெழு கூற்றிருக்கை உரையில் திறனாய்வுக் கூறுகள்

c) *Research works under progress* :

Books : 1) இந்திய விடுதலைக்குத் தமிழ் இலக்கியத்தின் பங்கு
2) வைணவ உரையாசிரியர்கள்

Dr P. Vijayalakshmi

a) *Research works published during the year* :

1. Folk music and Religious music
2. Rhythmic patterns of folk songs.
3. A few technical terms of folk music.

b) *Research works under print* :

1. Ālwar pādalkalil Agam

c) *Research works under progress* :

1. Ramayana and Bhārata stories through folk arts.
2. Musical patterns of Folk songs.
3. Sankaradas Swamigal's musical plays

d) *Extra curricular activities* :

1. Learning Veena
2. Learning Tamil music
3. Learning Karnatic music

e) *Other general information* :

1. Conducted one day Folk arts workshop' - at Arulanandar College Karumathur.

2. 'Values of Folk Songs' - Madras Doordharshan Programme October, 30, 1987.

3. 'Musical patterns of Tamil Folk song' - Kerala Doordharshan programme, Nov. 20, 1987.

4. Demonstration of Tamil folk music and Art Queen Mary's College, Madras, on Dec, 9, 1987.

Dr.N.R. Mohan

a) *Research works published during the year* :

1) 'Puduk Kavithayil Marapu' - Aayuuk kovai, Annamalai Nagar, Volume I, 1987.

2) 'Pattezhuthi Nammaik Kavarntha Pattali' - Aayuuk Kovai, Tanjore, Volume II, 1987.

3) 'Kavi Arasarum Pazhagu Tamizhum' - Bharathi Malar, Bharathi Ilakkiya Peravai, 1987.

4) 'Bharathiyin Porralum Thurralum' - KA. Subramaniyam Nurandu Malar, 1987.

5) 'Novel Aayvu' - Research Methodology. Summer School Bharathiyar University, 1987.

6) 'Puthuk Kavithail Uthikal' Kavithaiyiyal Karutharangu, Arul Anandar College, Karumathur, 1987.

7) 'Ilampuranar Urai - Oru Puthiya Parvai' - All India Tamil Linguistics Association, Second Conference, Bharathiyar University 1987.

8) 'Sanga Tamil' - S.T. Hindu College, Nagercoil, 1987.

9) 'Puthu Kavithail Desiyam' - Madurai College, Desiyam Tamil, U G.C Seminar, 1987.

10) 'Nallathor Veenai' - Dindigul Tamil Sangam, 1987.

b) *Research works under progress* :

1. புதுக்கவிதையில் மரபும் புதுமையும் (Research project)
2. பொருளிலக்கணக் கோட்பாடுகள் (நூல்)

c) *Extra - curricular activities* :

Delivered Lectures to the Public and the students.

Dr. A. Srinivasan

a) *Research works published during the year* :

Kurippu - Angatham : A Study.

b) *Research works under progress* :

Tamil Prosody - A Historical Study.

c) *Extra-curricular activities* :

Programme Officer - N S.S.

d) *Other general information* :

Joint Convener - University Fine Arts Society.

Dr. C. Kanakasabapathy

a) *Research works published during the year* :

ஜெயகாந்தன் சிறுகதைகளில் வகைமைப்பாத்திரங்கள் - தமிழ்பல்கலைக்கழகம், தஞ்சாவூர்.

b) *Research works under print* :

1. புதுப்பார்வையில் பழைய தமிழ்க்கவிதை.
2. புதுக்கவிதை உருவமும் உள்ளடக்கமும்.

c) *Research works under progress* :

தமிழ் இலக்கியத்திறனாய்வு அணுகு முறைகள்.

Dr M. Thirumalai

a) *Research works published during the year* :

i) One book : Tamil Malayala Nāval Oppaivu
ii) Kongu Nattu Nāvalkal
iii) S.K. Porrekatt and Pa. Jeyaprakasam, Ayvukovai - 19

b) *Research works under print* :

1. One book
2. Sivasankariyin Kuru Nāvalkal

Dr. M. Manivel

a) *Research works published during the year* :

1. Ramanin pirivarramai - 19th Ayvukovai, All India University Tamil Teacher's Association Publication
2. 'Mu. Va. vin Ilakkiya ninaivukal, Mu. Va. vin Pataippukkal, Madurai Kamaraj University

b) *Research works under print* :

Thamizh Ilakkiyathil Kaikkilai - Ph. D. Thesis

I. Muthiah

a) *Research works published during the year* :

கயமை நாவலின் முடிவை முன்வைத்துச் சில பிரச்சினைகள் - மு. வ. ஆய்வுக் கருத்தரங்கு மலர்

b) *Research works under print* :

Structuralism and Folklore

c) Special lecture on 'Folklore Methodology" - Bharathiar University, March 87

Dr. S. Sasireha

a) *Research works published during the year* :

1. Children's Magazines in Tamil.
2. The Powerful Medium of Advertising in India.

b) *Research works under print* :

1. Education Reporting in Dinamani
2. A. Study of Fairy Tales in two Tamil Dailies

c) *Research works under progress* :

1. A Comparative Study of Educational Reporting in Tamil Dailies
2. Instruction Through Tamil Journals

Dr. C. Saradhambal

a) *Research works published during the year* :

Three articles are published.

1. Thematic Structure 2. Formative Structure 3. Purappatalkalil punaivieal kuruhal.

b) *Research works under progress* :

இலக்கியக் கொள்கைகள் - (அடிக்கருத்தியல்)
இலக்கிய இயக்கங்கள் - (செவ்வியல், புனைவியல், நடப்பியல்)

Dr. N. Muthu Mohan

a) *Research works under progress* :

A work on the philosophy of Guru Nanak in relation to the Bhakti Thought of Medieval India.

III Research Scholars :

S.No.	Name of the Scholar	Name of the Supervisor	Degree for which registered	Topic of Research	Works Published	Whether thesis submitted	Whether declared for degree
1.	G. Manjula	Dr. Rm. Periyakaruppan	Ph.D.	Nokkuk Kotpadu Canka, Ilakkiyathil	5 papers	No.	No.
2.	S. Bharathy	Dr. S. Venkataraman	,,	A vertical Study of thecreative works of K. Rajanarayanan	6 papers	Yes	,,
3.	V. Annielet Behmi	Dr. C. K. Mahadevan	,,	Canka Akappadalkalin adikgaruthukkal		No.	,,
4.	P. Sathyabama	Dr. S. Venkataraman	,,	Tamil cirkathai valarchiyil 'Deepam ithazhin pangu'			
5.	R. Shanthy	Dr. T. Natarajan	,,	Syntax in Old Tamil literature	1 paper	,,	,,
6.	T.N. Paranatharthi Haran (FIP)	Dr. D. Andiyappapillai	,,	Upanishads and Tiruvacakam	8 papers	,,	,,
7.	S. Seenivasan	Dr. M. Thirumalai	,,	A Comparative study of Bhakthi Lit., in Tamil and Malayalam	—	,,	,,
8.	B. Ganapathi	Dr. M. Manivel	,,	Canka Ilakkiyathil Madurai Managar	—	,,	,,

1	2	3	4	5	6	7	8
9.	D. Gnanasekaran	Dr. C.K. Mahadevan	,,	Natuuppuraviyalil Irai maraip porutkurukal Madurai Mavattam	1 book 20 papers	,,	,,
10.	S. Alagaranathan	Dr. A. Srinivasan	,,	Tamil Literary theories Chankam period	3 papers	,,	,,
11.	M.Muthaiah (FIP)	Dr. V. Saraswathy	,,	Maduri Mavattap Pallar peyarkal	5 papers	,,	,,
12.	P. Anandakumar	Dr.T.S. Natarajan Dr. T.S. Giriprakash	,,	A Comparative Study of Romanticism in Bharathi, Asan & Guruzade	1 book 6 papers	,,	,,
13.	S. Avadaiappan	Dr. G. Vijayavenugopal	,,	Western impact on Tamil New poetry	2 papers	,,	,,
14.	S. Arulselvan	Dr. A. Santha	,,	"Rural Programmes of AIR audience study	3 papers	,,	,,
15.	C. Mayandi (FIP)	Dr. T.S. Natarajan	,,	Techniques in Jeyakandhan's Short Stories	—	,,	,,
16.	Pon Meenalochani	Dr. C.K. Mahadevan	,,	Tolkappiar kattum Kurippupporulum Natrinaiyum	4 papers	,,	,,
17.	G. Dhanapal	Dr. R. Mohan	,,	Iramaiah Short stories - A study	3 papers	,,	,,

IV. Courses Conducted in the Departments :

M.A. Tamil and Comparative Literature,
M.A. Tamil and Folklore
M.A. Tamil and Mass Communication
M.Phil. Tamil

V. Conference, Seminars etc., attended by the teachers during the year.

Name of the Teacher	Name of the conference	Topic	Place	Duration
1. Dr. Rm. Periakaruppan	UGC Seminar, Madurai College,	National Integrity in Sangam Literature	Madurai	21-1-87
	UGC Seminar, Madras University	Creative techniques in Sangam Litt.,	Madras	25-2-87
	Seminar on Literary theories	Tholkappiyars Literary theories	Tamil University, Thanjavur	20-3-87
	Visiting Professorship	Thokappiyar poetics	S. V. University, Tirupati	18-4-87 to 1-5-87
	All India University Tamil Teacher's Assn.,	Literary theory-Nokku	Tirupati	2-5-87
	New Techniques in Lession writting for college students		Indira Gandhi National open University, Hybd.,	11&12-7-87
2. Dr. G. Vijayavengopal	Seminar on Fairy tales as cyphers of Social structure	Tamilnadu and German folk Tale Studies.	Madurai Kamaraj University	
	Seminar on All India Folklore Congress.	Presided over a session	-do-	
	Viyāla Vaṭṭam	Structuralism and criticism of Fiction"	-do-	

3.	Dr. C. K. Mahadevan	Sahitya Academy	Generic development of kuravanji	Madurai Kamaraj University	3 days
4.	Dr. V. Saraswathi	National Seminar on Folklore	A comparative study of Tamil & Greek Mythology	Bharatiyar University.	3 days
		UGC Seminar	Myth & its meaning	Tamil University	
5.	Dr. M. Navaneethakrishnan	International Seminar on South Indian contribution to Indian philosophy.	Ramayana Through Folk arts	Trivandrum	3 days
		X Folk congress seminar	Improvision elements in Folk theatre.		
		South zonal drama Festival & seminar on Theatre.	—	Madras	
6.	Dr. A. Santha	Seminar on Communicability	Readbility in Newspaper	Tamil University	3 days
		Thursday Seminar	Science News in Tamil Newspapers - A content Analysis.	Madurai Kamaraj University	
		Seminar on Mass Media & Education	—	Bangalore	2 days
7.	Dr. T. Natarajan	Seminar on 'Tamil Epics'	Folk Epics	SFR College Sivakasi.	
8.	Dr. S. Venkataraman	Workshop in Tamil Ilakiyathil aram.	Tamil cirukathaikalil Arak kotpadu.	Madras Uni.	6 day
		Tamil Navalkalil Ulaipalar Karutharangam.	Tamil Navalkalil Asiriyar	Tirunelveli	2 days
		Sivasankariyin Padaipukkal Karutharangam	Sivasankariyin Sirukathai kalil Magalir.	Madurai Kamaraj University	2 days

1	2	3	4	5
	Workshop	Cirukathakalil Magalir	Madras	one day.
	UGC Seminar Ayvu Neri-muraigal	Vainava Ayvu Neri	Bharathiyar University	One day
	Makkal Thodarppu Sadha-nangalum Magalir Mempadum	Ithal Cirukathakalil Pengal.	Kodaikannal	2 days
	All India Tamil Teachers Assn.,	Thiruppavai periavachan Pillai Uraiyin Avatharikai.	Thirupathi	2 days
	Anathinthin Tamil Ilakkiya Ayvuk Kazhaga Muthal Karutharangu	Rajam Krishnanin Iru Navalkalil Aciriyar padaippu.	Bharathiyar University	2 days
	Agarathikkalaik Karutharangam	thoguppiyalil vainava corkal.	Tamil University	3 days
	U.G.C. National Seminar on the impact of Jawaharlal Nehru on Indian Literature	The impact of Nehru on Rajam Krishnan and Jegacirpian novels.	Pondicherry	4 days
9. Dr. P. Vijaya-lakshmi	International Seminar on South Indian Contribution to Indian Philosophy.	Folk Music & Religious music	Trivandrum	3 days
	Indian Folklore Congress	A few musical technical terms of folk music	Madurai	
	Seminar on Bharathiyar works	The Influencc of of Folk-songs in Bharathi works.	Tamil University	2 days
	Tamil Music Research Con-ference	Rhythmic patterns of Folk songs	Madras	One day
10. Dr. N.R. Mohan	All India Tamil Teachers Conference	Puthukkavithaiyil Marapu	Tirupathi	

	All India Linguistics Conference	Ilampuranar urai-puthia parvai	Coimbatore
	Summer School	Naval Ayvu Nerikal	Coimbatore
	UGC Seminar	Puthukkavithayil thesiyam	Madurai
	UGC Seminar A.A. College	Puthukkavithayil uthikal	Madurai
	Urumu Dhana Lakshmi College	Value orientation in Education	Trichy
	Seminar, S. T. Hindu College	Sangaththamil	Nagercoil
11. Dr. A. Srinivasan	COHIB Programme	Supernatural Elements in Manimegalai.	Sivakasi
12. Dr. C. Kanagasabapathy	Seminar	Thamil Ilakkiyathil Nehruvism	Pondicherry
13. Dr. M. Thirumalai	Seminar on Kongu Country		Bharathiyar University
	Seminar on Sivasankari's works		Madurai Kamaraj University
	Summer Institute in Research Methodology		Bharathiyar University
14. Dr. M. Manivel	Summer Institute in Research Me+hodology		Bharathiyar University
	Seminar on Sivasankari's works		Madurai Kamaraj University
	Seminar on Kuravanji Litt.		-do-

1	2	3	4	5
15. Dr. I. Muthiah	All India University Tamil Teachers' Conference	Applied Folklore & Functioned.		Tirupati
	Seminar on Fairy Tales as Ciphers of cultural concepts	Poteries in Tamilnadu	Madurai Kamaraj University	
	UGC Seminar on Folklore			
16. Dr. S. Sasireha	NCERT, University of Kerala	Education Reporting in Dinamani.	Kerala	3 days
	Symposium on Fairy Tales as Ciphers of cultural concepts	A study of fairy tales in two Tamil Dailes	Madurai Kamaraj University	3 days
17. Dr. C. Saradhambal	All India Tamil Teachers' Conference	Purappatalkalil punaiviyal	Tirupati	one day
	Course writers workshop		Hyderabad	2 days
18. Dr. N. Muthu Mohan	11th Annul Conference Tamilnadu Kalai Ilakkia perumantram	The beginnings of Ancient Indian philosophy		
19. Dr. M.M. Uwise	Vth International Tamil Conference			
20. Dr. P.M. Ajmal Khan	Seminar on Al-Quran		Pallapatti	
	Seminar on Islamic Tamil Epics			
	Seminar conducted by AIUTT Assn.,			

VI Details of Seminars, Orientation Course, Summer Institutes & Conferences conducted by the department during the calendar year.

1. Seminar on the creative works of Sivasankari
   9, 10 March 1987.
   6 papers presented.

2. National Seminar on Kuravanji Literature
   (Sponsored by the Dept. of Tamil and Sahitya Academi, New Delhi)
   25, 26 July 1687.

3. U.G.C. National Seminar on Folklore and Modern Technology- 9-12, Sept. 1987.

VII List of Foreign Students : Nine Students

Name of the Country	Arts	
	M	W
America	2	7

VIII M. Phil / P.G. / Ph D. Students residing in the hostels :

	Men	Women	Total
M. Phil / Ph. D	1	4	5
P.G. Degree I Year	6	4	10
II Year.	7	4	11
No. of SC / ST students in the hostels.	5	6	11

DEPARTMENT OF ISLAMIC TAMIL LITERATURE

Dr. M.M. Uwise

a) *Research works published during the year* :

Islamiya Tamil Ilakkiya Varalaru (Vol. I University Publication)
Macca Payanam Seven Research Papers

b) *Research works under print* .

Islamiya Tamil Ilakkiya Varalaru II (Vol. University Publication)
Islamiya Tamil Ilakkiya Varalaru III (Vol. ,,)

c) *Research works under progress* :

Islamiya Tamil Ilakkiya Varalaru IV Vol.

d) *Country visited* :

Malaysia - To attend the V International Tamil Conference

Dr. P.M. Ajmal Khan

a) *Research works published during the year* :

Islamiya Tamil Ilakkiya Varalāṟu - Volume (Joint Editor with Dr. M.M. Uwise)

Seven Research papers on Islamic Tamil Literature

b) *Research works under print* :

Islamiya Tamil Ilakkiya Varalāṟu - IInd Volume (University Publication)
Islamiya Tamil Ilakkiya Varalāru IIIrd Volume (,, ,,)

c) *Research works under progress*

Islamiya Tamil Ilakkiya Varalaru, IV Volume

DEPARTMENT OF TAMILOLOGY

I. Staff :

Name of the Professor and
Head of the Dept : *Dr. RM. Periakaruppan, M.A., Ph.D.*

Researchers :

1. Thiru V. Annamalai, M.A., A.M.A.,
2. Thiru R. Ilankumaran, Pulavar
3. Thiru S Dandapani Desikar (Joined or 2-11-1987)
4. Thiru C. Govindarasan (Joined or 12-11-1987)

II Research Activities :

V. Annamalai.

a) Research work under print .
''சங்க இலக்கியத் தொன்ம அகராதி''.

b) Research work under progress :
வட்டாரவழக்குச் சொல் தொகுப்பு அகராதி.
பதினெண்கீழ்க்கணக்குத் தொன்மத் தொகுப்பு.

c) Extra - curricular activities :
காப்பியத் தொன்மத் தொகுப்பு.

R. Ilankumaran.

a) Research works under print :
''இலக்கியச் சொல் விளக்க அகராதி''

b) Research works under progress :
வட்டார வழக்குச் சொல் அகராதித் தொகுப்பு.

c) Extra-curricular activities :
வட்டார வழக்குச்சொல் அகராதித் தொகுப்பு - தொடர்ச்சி.

C. Govindarajan :

a) Research works under progress ;
''கல்வெட்டுகள் காட்டும் உழவுத் தொழிலும் பாசனமுறையும்''

S. Dandapani Desikar :

a) Research works under progress :
''திருக்குறள் தொடர்பு நூல்கள் ஆய்வு'' திருக்குறள் உரைக்களஞ்சியம்.
பதிப்பு

DEPARTMENT OF LINGUISTICS

I. Staff

Prof and Head : Dr. M. Israel
M.A., Ph.D , R B.V., (Hindi), Vidwan in Tamil, Diploma in Linguistics, Diploma in German, Cert, in Anthropology.

Professor :

Dr. J. Neethivanan M A., (Ling.), M A (Tamil), Ph.D.,

Reader :

Dr. G. Subbiah : M.A., Ph.D., Diploma in Telugu, Diploma in Applied Linguistics.

Lecturers :

1. Dr. (Mrs.) T. Vasanthakumari : M.A., (Ling.), M.A. (Eng.), Ph.D
2. Dr. R. Perialwar (on lien) : M A., Ph.D., Diploma in Telugu.
3. Dr. A. Athithan : M.A., (Ling.,) M.A , (Tamil), Ph.D., Diploma in Linguistics, Cert. in Sanskrit.
4. Dr. R. Sreeveera-manikandan Pillai : M.A., Ph.D., Diploma in Telugu.

II. Research Activities :

Dr. M. Israel

a) *Research works published during the yeur.*

1) Initial ñ - = in Dravidian
2) Uricool
3) Words and their Formation in Kuvi.
4) Development in the Treatment of Verbal Nouns.
5) A comparative study of Interrogatives in Kui and Kuvi.

b) Research works under print.

1) Ethnoreligious culture of Konds.
2) Developing Tamil for Science and Technology.
3) Linguistic Convergence in Kui and other languages.
4) Linguistics and Modernization of Tamil Studies.

c) Research works under progress :

1) Particle mā in Tamil and other Dravidian Languages.
2) A Grammar of the Kui Language.
3) Minory Languages in Southern Tamil Nadu - A Case Study.
4) Syntactic Typology of English and Tamil - A Comparative Study.
5) History of Comparative Dravidian Studies.
6) An Introduction to Malto Language.

d) Extra curricular activities:

1) Member, Board of Studies in Linguistics at the Tamil University, University of Kerala and Bharathiar University.
2) Chairman, Board of Studies in Linguistics, Madurai Kamaraj University
3) Vice-President, Dravidian Linguistics Association
4) Member, Expert Committee to evaluate the entries in Linguistics for the Tamil Encyclopaedia prepared by the Tamil University.
5) Member, Advisory Committee to evaluate Tamil books appointed by Govt. of India.

Dr. J. Neethivanan

a) Research works published during the year :

1. "A Case for Telugu dialect Survey in Tamilnadu" in S. Arokianathan (Ed.) *Seminar papers on dialectology,* Tamil University, Tanjore
2. 'Comments on M. Shanmugam Pillai's paper "Tamil dialectology–A survey" in S. Arokianathan (Ed), *Seminar papers on dialectology* Tamil University, Tanjore
3. "A note on intervocallic plosive change in Tamil" in K. Rangan (Ed.), Proceedings of the 13th All India Conference of Dravidian Linguist, Tanjore

c) *Research works under progress* :

"Language maintenance and shift among Sourashtra" - Short term project
Dr. G. Subbiah

c) *Research works under progress* :

1. Componential study of Tamil verbs
2. Preparation of Instructional material for Translation

Dr. (Mrs.) T. Vasanthakumari

a) *Research works published during the year* :

Paper : 'Social processes as reflected in Indian Linguistic structures" Journal of the Institute of Asian Studies

b) *Research works under print* :

"Generative Phonology of Tamil" (book in print)

c) *Resarch works under progress* :

1. Social Stratification of Tamil (U.G.C. funded project)
2. Language Maintenance/Shift among the Kannada minority Bilinguals. (University funded project)

Dr. A. Athithan

a) *Research works published during the year* :

1. "Degradation in Tamil" XIX All India University Tamil Teachers Conference, Vol 2 (1987), pp. 17-20.
2. "Tamil Ilakkaṅkaḷil Tokaikal (Compounds in Tamil Traditional Grammar), Pulamai, Vol. 13, No.1 (1987), pp. 27-45,
3. "Veḷḷaikkāra Cāmikatainikaḷvil Muranpatu" (Confliction in Vellai-karacamy Story), Tamil Folklore Society Conference, Vol. 1, (1987) pp. 438 - 448.

b) *Research works under print* :

1. "Poruṇmai Vakaikaḷum māṟṟṅkaḷum" (Types of Meaning and Semantic Changes), Inter-Collegiate Seminar - Department of Tamil, Madurai Kamaraj University, Madurai, 1987.
2. "Negative Verbal Compounds in Tamil" Linguistics Department of Seminar, Madurai Kamaraj University, Madurai, 1987

3. "Anḻiyum Ākupeyarum" (Metonymical Compounds and Transferred Nouns), All India Tamil Linguists Second Conference, Bharathiyar University, Coimbatore, 1987
4. "Polysemantic words in Tamil Dictionaries, XV All India Conference of Dravidian Linguists, Anatapur, 1987

c) *Research works under progress* :

1. Lexicology and lexicography
2. New Typology of Tamil Dictionaries
3. Semantic changes in Tolkāppiyam
4. Kuṟippup poruḷ in Tamil Grammatical works
5. Monolingual Dictionaries in Tamil

Dr. R Sreeveeramanikandan Pillai :

a) *Research works published during the year* :

Reflexive Pronouns in Malayalam. Proceedings of the Thirteenth All India Conference of Dravidian Linguists, Tamil University, Thanjavur

III. Research scholars :

Name of the scholar	Name of the Supervisor	Degree for which Regd.	Topic of Research	Works public-shed	Whether thesis submited	Whether declared for the degree
K. Pasumpon	Dr. M. Israel	Ph.D	Problems of Sourashtra children in learning Tamil	—	—	—
J. Arun RajaSelvan	-do-	Ph.D	Problems in Translating English into Tamil	—	No	—
G. Balasubramanian	Dr. J. Neethivanan	Ph.D.	A survey of methods for teaching Tamil as mother tongue from primary to secondary school level	—	Yes	Awaited
C. Silvia Rachel	-do-	Ph,D.	Testing and Evaluation in second language teaching	—	—	—
N. Monickarasi	Dr. G. Subbiah	Ph.D.	Code-switching and Language Convergence among two Telugu communities in Madurai city	—	—	—
P. Rajendran	Dr. A. Athithan	Ph.D.	A descriptive grammar of Tamil Muslim Dialect of Ramnad District	—	—	—

IV Courses Conducted in the Department : M. A. Linguistics

V Conferences, Seminars etc attended by the teachers during the year.

Name of the teacher	Name of the conference/ Seminar attended and the place where held	Duration of the conference.	Topic of papers presented
Dr. M. Israel	National Seminar in Tribal Ethnolinguistics organized by Tamil University at Ooty	4th to 6th March 1987	Ethnoreligious Culture of Konds.
–do–	National Ssminar or Discourse Analysis with special reference to Traditional Grammar. ERLC, Bubhaneswar.	2nd to 4th March 1987	Tamil Traditional Grammars.
Dr. J. Neethivanan	Seminar on Spatial dimensions language and linguistic communications in India. C.I.I.L., Mysore.	28-30th Jan. 1987	Geographical contiguity as a factor for group identity among linguistic minorities.
,,	Seminar on Diglossia, Tamil University Thanjavur.	16-17th March 1987	Diglossic problems in teaching Tamil as second language.
,,	South Asian Languages Analysis Roundtable, Cornell University, USA	5-7th June 1987	Status gaining in a multilingual nation: problem for minorities.
,,	Modern technology and higher education, Dept. of Education, Madurai Kamaraj University, Madurai.	Sept. '87	Current trend in second language teaching.

Dr. G. Subbiah	National seminar on Ethno-linguistics, organised by Tribal Research Instt. of Tamil Univ., Ooty.	2th-4th March '87	"Kota kinship morphology".
,,	National Seminar on Morphology, organised by C. I. I. L., Mysore-6	7-15th March '87	"Verb classification in Dravidian".
,,	National Seminar on Folklore and Modern Technology, organised by Dept of Tamil Studies, Madurai Kamaraj University, Madurai - 21.	5-7th Sept. '87	"Folklore and Translation"
Dr. A. Athithan	XIX All India University Tamil Teachers Conference, Tirupati	2-3rd May 1987	Degradation.
,,	All India Tamil Linguists Second Conference, Coimbatore.	14-15th Feb. 1987	Anmoḻiyum Ākupeyarum.
,,	National Seminar on Futurology, Madurai Kamaraj University Madurai.	25-26th March 1987	—
,,	Inter - Collegiate Seminar, Dept. of Tamil, Madurai Kamaraj University Madurai.	2nd Feb. 1987	Poruṇmai vakaikaḷum Māṟṟankaḷum.
,,	National Seminar on Folklore, Madurai Kamaraj University Madurai.	7-9th Sept. 1987	-

1	2	3	4
Dr. R. Sreeveera-manikandan Pillai	National Seminar on 'Syntax and Semantics in Translation''. Bharatiyar University.	28-30th March 1987	"Pronouns in English and Malayalam: Some problems in Tranalation".
"	Dravidian linguistics so far: Problem and Perspectives. by CAS in Linguistics, University, Annamalainagar.	15-19th Dec. 1987	"Contrastive studies in Dravidian-A Review".

VI. P.G./Ph.D. students residing in the hostels.

	Men	Women	Total
Ph.D	3	2	5
P.G. I Year	11	1	12
II Year	7	—	7

VII. Other general information

Dr. M. Israel :

1. Dr. V. Renuga Devi has been working as a research Assistant on an UGC research project entitled "A Survey, Analysis and Description of Minority Languages in Southern Tamilnadu" under the chief investigator Dr. M. Israel until June 1987.
2. Has been guiding on Susan Herring, a student from USA in her research project for about nine months.

Dr. J. Neethivanan ,

Resource Person ; Summer Institute in Linguistics,
Bharathiar University, Coimbatore, April 1987.

Special Lectures on Sociology, of **language** : Dept of Linguistics, Annamalai University, 27-28, April 1987.

திருக்குறள் ஆய்வகம்

1. ஆசிரியர்கள் :

க. துறைப் பொறுப்பாளர் :

பேராசிரியர் : தி. முருகரத்தினம்,
பி.ஏ. (ஆனர்ஸ்), எம்.லிட்., பிஎச்.டி.,
மானிடவியல் சான்றிதழ்,
மொழியியல் சான்றிதழ்.

உ. விரிவுரையாளர் : திருமதி ஜலஜா கோபிநாத்,
எம்.ஏ., பிஎச்.டி.,
மொழியியல் சான்றிதழ்.
(20-10-87 முதல்)

2. ஆய்வுப் பணிகள் :

2.1. டாக்டர் தி. முருகரத்தனம்

அ. வெளிவந்த ஆய்வு : சிங்கப்பூரில் தமிழ் ''தமிழ்ப் பண்பாடு'' – (இதழ்) அயலகத் தமிழர் கருத்தரங்கு, தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.

ஆ. நிறைவுற்ற ஆய்வு :

1. "The Thought of Tiruvalluvar in the Indian Ideological Perspective", a paper presented in the International Seminar conducted by the International Society for the Development of Human Ideas on the Ultimate Reality & Meaning, at Toronto, Canada.
2. ''திருக்குறள்'' (கட்டுரை), கலைக்களஞ்சியம், தமிழ்ப் பல்கலைக்கழகம்,
3. ''திருக்குறள்'' குமரேச வெண்பா'' கலைக்களஞ்சியம், தமிழ்ப் பல்கலைக்கழகம்.
4. ''வாழ்க்கை நெறி'' (மூன்று உரைகள்), அனைத்திந்திய வானொலி நிலையம், மதுரை.

5. ''திருவள்ளுவ மாலை : நோக்கும் போக்கும்'' தமிழ் இலக்கியக் கழகக் கருத்தரங்கம் (1988), தமிழ்ப் பல்கலைக்கழகம், தஞ்சாவூர்.

6. ''வள்ளுவரின் வெண்பா யாப்பு''.

இ. நிகழ் ஆய்வு : 1. சங்கத் தமிழின் மொழியமைப்பும் திருக்குறளின் மொழியமைப்பும் (நூல்)

2. திருக்குறளில் அரசு, படை, குடி, கூழ் (நூல்)

3. The History of the Purusharthas in Indian Tradition.

4. Contributions of American Scholars to Tamil Studies: A Survey.

22. திருமதி ஜலஜா கோபிநாத்:

அ. நிகழ் ஆய்வு : 1. சங்ககால அரசியலும் திருக்குறள் கூறும் அரசியலும் (நூல்)

2. திருக்குறள் உரைகளும் ஆராய்ச்சியும் (நூலடைவு)

3 ஆய்வு மாணவர்கள்:

4 பேர். பேராசிரியர் தி. முருகரத்தனம் மேற்பார்வையில் பிஎச்.டி. பட்டத்திற்கு ஆய்வு நிகழ்த்துபவர்கள்.

ஆய்வு மாணவரின் பெயர்	ஆய்வுத் தலைப்பு
3.1. முழு நேர ஆய்வு மாணவர்:	
அ. செல்வி மா. ஜோதிமணி	'பழந்தமிழ் இலக்கியம் காட்டும் துறவு'
3.2. பிற ஆய்வு மாணவர்கள்: (ஆய்வுநெறிக் குழுவின் கீழ்)	
ஆ. திருமதி இராஜேசுவரி, அரசினர் கலைக் கல்லூரி, மேலூர்.	'அன்றாட வாழ்வு – சங்க காலத்தில்'
இ. திருமதி கஸ்தூரி காந்தி, அருள்மிகு மீனாட்சி மகளிர் கல்லூரி, மதுரை.	'அன்றாட வாழ்வு – காப்பியங்களில்'

ஈ. செல்வி. பொன்மதி,
வ பெ. மகளிர் கல்லூரி, 'பெருங்கதை காட்டும் சமூகம்'
விருதுநகர்.

3 3. ஆய்வு மாணவர் பணி :

பாரதியார் பல்கலைக்கழகத்தின் தமிழ்த்துறையின் சார்பாக ஒரு திங்கள் நடைபெற்ற ஆய்வுநெறிப் பயிற்சியரங்கில் கலந்துகொண்டார்.

5. பிற :

5 1. திருக்குறள் உரைக்களஞ்சியம் - அறத்துப்பாலுக்குப் பின்னர் பொருட்பாலும், காமத்துப்பாலும் அச்சுக்குச் செல்லவிருக்கின்றன.

5.2. 'தமிழ் ஆய்வு : புதுமைப்பாடு' என்ற தலைப்பில் சென்ற ஆண்டு நடைபெற்ற தமிழியல் புதுமைப் பயிற்சியரங்கின் கட்டுரைகள் நூலாக்கம் பெறப் பல்கலைக்கழகத்திற்கு அனுப்பி வைக்கப்பட்டன.

DEPARTMENT OF SAIVA SIDDHANTA

I. Staff

Professor and Head :

Dr. T.B. Siddhalingiah, M A., Ph.D.

Readers :

Dr. S Gangadaran, M.A., M.Lit., Ph.D.
Dr. A.Anantharaj, M.A., M.Lit., Ph.D.

Lecturer :

Dr. S.R. Gomathi, M.A , B T., Ph.D.

II. Research Activities:

Dr. T.B. Siddhalingiah,

a) *Reasearch works published during the year.*

i) An article on 'The Philosophical prose style of Sivajnanamunivar in the Indian Pholosophical Annual 1987 Published by the Radhakrishnan Institute for Advanced study in Philosophy, University of Madras.

ii) An article was published in the monthly religious journal Kumaraguruparan

b) *Research works under print* :

A few articles for publication in the Tamil Encyclopeadia to be published by the Tamil University.

c) *Extra - Curricular activities* :

1. Taking classes in the Evening College at Dharmapuram Mutt, Madurai Branch.
2. Giving lectures on Saiva Siddhantha in Saiva Sabai at various places.

Dr. S Gangadaran

a) *Research works published during the year.*

i) An article 'The tension between dharma and bhakti in Hinduism and Saiva Siddnantha Contribution' is published by the International school of Dravidian Linguistics, Trivandrum

ii) An article on 'Sivajanana Siddhiyar' in the monthly religious Journal Gnanasambandam.

b) Research works under print :

A few articles for publication in the Tamil Encyclopeadia to be published by the Tamil University.

c) Extra Curircular activities :

i) Taking classes in the Evening College at Dharmapuram Mutt, Madurai Branch.

ii) Taking Saiva Siddhanta for M.A. Br. V. Philosophy and Religion at the Tamil Nadu Theological Seminary, Madurai.

iii) Taking classes on Hinduism for the diploma Course on Inter religious dialogue conducted by the Dept. of Gandhian Thought and Ramalingar Philosophy and Saiva Siddhanta Philosophy.

iv) took summer classes conducted by Saiva Sabai of Vikramasingapuram, in Thiruvalluvar college at Papanasam during the month of May.

Dr. A Anantharaj

a) Research works published during the year

i) An article on Sivaynana Munivar, in the Indian Philosophical Annual, 1987. Published by the Radhakrishna Institute for Advanced study in Philosophy, University of Madras.

ii) Ten articles in the monthly religious Journals Uzhavaram and Gnanasambandam.

b) Research works under print

Five articles for publication in the Tamil Encyclopeadia to be published by the Tamil University.

c) Extra curricular activities

Taking part in Poets' Forums.

d) Other information

took summer classes conducted by Saiva Sabai of Vikramasingapuram in Thiruvalluvar College at Papanasam during the month of May.

Dr. S. R. Gomathi

a) Published during the year

i) Fifteen articles in various monthly religious journals namely Uzavaram, Gnansambandam, Meykantar and Kumaraguruparan.

ii) An article on 'Scientific Tamil in Sangam Literature' was sent to be published in Sixth World Tamil conference at Malaysia

b) Extra curricular activities

i) taking participation in Tamil seminars.

ii) taking participation on religious dialogue conducted by Tamil Nadu Theological Seminary, Madurai.

iii) giving Lectures on Saivism and Saiva Siddhantham in Saiva Sabairs at various places.

iv) Took summer classes conducted by Saiva Sabai of Vikramasingapuram in Thiruvalluvar College at Papanasam during the month of May.

IV Conferences, seminars etc. attended by the teachers during the year.

Name of the Teacher	Name of the Conference / Seminar attended and the place where held	Duration of Conference	Topic of papers presented
1 Dr. T B. Siddhalingiah	1 Thursday Seminar in Tamil Dept of the University	22-1-'87	Bhakti Literature in Tamil and Kannada
	2 Seminar organised by the International Institute of Saiva Siddhantham and Annamalai University in connection with Mahakumbabbisegam of Chidambaram temple	9-2-'87 to 12-2-'87	1 Key not address 2 Paper on "Essentials of saiva siddhantam"

1	2	3	4
		3 Seminar organised by Kanchi Kamakoti Peedam on Tirumurais in connection with Mahakumbabbisegam of Chidambaram Temple	9-2-'87 to 12-2-'87	Thirumanthiram
		4 Translation workshop at Mysore organised by the dept. of Kannada Culture Karnadaka Govt.	March '87	—
		5 Seminar on the Meeting of the East and west organised by Pondicherry University	June '87	"Devotional movement in South India"
		6 Tamil Bengali seminar (UGC) organised by Calcutta University	Nov. '87	"Key-note address and A paper on "traditional poetry in Tamil"
2 Dr S. Gangadaran		1 Seminar organised by the International Institute of Saiva Siddhantham and Annamalai University in Connection with Mahakumbabbisegam of Chidambaram temple	9-2-'87 and 10-2-'87 Feb. 1987	"Sacred Five Letters"
		2 Seminar on South Indian contribution to Indian Philosophy at Trivandrum	Nov. 18-20 1987	"The tension between dharma and Bhakti Hinduism"
		3 Conference sponsored by world Christian Council at New Delhi regarding Religious identity in a multifaith context.	Nov. 22-28 1987	"Religious identity in a multifaith context-Hindu perspective"

1	2	3	4	
3	Dr. A. Anantharaj	1 Seminar organised by International Institute of Saiva Siddhantham and Annamalai University in connection with Mahakumbabbisegam of Chidambaram temple.	9 and 10 Feb. 1987	"Lifted Feet"
		2 Thursday Seminar in Tamil Department of Madurai Kamaraj University	26-3-'87	"Grammatical aspects in Sivagnana Munivar's Commentary

IV Course conducted in the Department

M.Phil Saiva Siddhanta Philosophy

DEPARTMENT OF GANDHIAN STUDIES AND RAMALINGA PHILOSOPHY

I Staff :

Dr. K. Arunachalam (Hony. Professor)

Readers .

1. Dr. S. Jeyapragasam, M.A , Ph.D.
2. Dr. A. Pushparajan, M A.(Phil)., M.A. (Hist)., M.A. (G.T.). Ph.D.

Lecturers :

3. Dr. M. Shanmugam, M.A., Ph.D., D.S., D..A.
4. Mr. S. Andiappan, M.Sc., M.A., D.G.T., D.P.D., D.F.

II. Research Activities :

Dr K. Arunachalam

He addressed many Peace Groups in USA during September-October 1987. He published more than ten papers in English and three books in Tamil.

Dr. S. Jeyapragasam

a) *Publications :*

1) The proceedings of a National Seminar on *Gandhian Techniques for the liberation of the Weaker Sections* was edited and published in association with Dr. K. Arunachalam.

2) WCRP Organization Manual

3) "Uplift of Women : Social Aspect" in *Uplift of Women in South India in 20th Century and suggestions for 2000 A.D.*, Mother Teresa Women's University.

b) *Research works under print :*

Non – Violence

c) *Research works under progress :*

Fundamentals of Gandhian Thought.

d) Extra-curricular Activities :

1. Programme Officer, N.S.S. Unit 137.
2. Designed and Organized the extension Programmes of the department.
3. Running ten Adult Education Centres

Dr. A. Pushparajan

a) Research works published during the year :

1. "The Christian Encounter with Indian Culture", in *Indian Missiological Review*, Vol. 9 No. 1. Jan. 1987. pp. 8-23.
2. "Indian Christian Spirituality", Co auther, in *Indian Missiological Review* Vol. 9. No. 1. Jan. 1987 pp. 42-54.
3. "Are Religions One" in *Journals of Gandhian Studies*, Vol. 14 No. 54-55. Jan. - Ap. 1987. pp. 148-163.
   (Also published in Gandhi Marg. no. 93)

b) Research works under print :

1. "Dialogue and Justice in the Christian Sources"
2. "Involvement of Laity in Catechetics"
3. "A Gandhian Critique of Liberation "Theology"
4. "The Hindu Christian Encounter : From Controversy to Dialogue-A Gandhian Perspective". (A modified version of the doctoral thesis) Appr. pp. 300.

c) Research work under progress :

1. An effort at Indian Ecolosiology, app. 300 pages.
2. Inter religious Prayer Meetings : Gandhi's Approach

d) Extra-Curricular Activities :

- Visiting Professor to Morning College of Culcutta University, (12 Jan. to Feb)
- Visiting Professor to Sacred College, Shillong, (4-12 May)
- Conducted Lay Leaders Training Programmes in three Centres of Nagaland, Kohima, Wokha and Kipra. (14-23 May '87)
- Six lectures (special) on Interreligious Dialogue at Christu Jyothi College, Bangalore, (2-3 March 1987)

- Served as a resource person for the Teachers' Training Programme, organized by the Christian Life Commission, Madurai Archdiocese.
- Delivered special lectures on themes like Ahimsa, Spirituality at various places like Sivaganga, Paramakudi, Samayanallur, Mannar Thirumalai, Naickar College, Arul Anandar College, etc.

Dr. M. Shanmugam

a) *Research work published ;*

Philosophy of St. Ramalingam

b) *Research work under progress*

Humanism of St. Ramalingam

e) *Research work under print :*

Guru Nanak

d) *Extra curricular Activities*

Specialisation in Nature Cure (Sivasailam Ramakrishnan type)

Mr. S. Andiappan

a) *Research works published during the year*

Submitted Ph.D. thesis

b) *Research works under print :*

Gandhian way to World Peace - A Paper in Tamil

c) *Research works under progress :*

1. Study of problems of Sri Lanka Tamil refugees in the refugee Camps in Tamil Nadu - U.G.C. Research Project.
2. A study of Thimpu peace Talks and the process of Resolution of Ethnic Conflict in Sri Lanka

– University Research Project

d) *Extra - curricular activities :*

1. Member, Advisory Committee, Centre for Peace Education, New Delhi
2. Joint - Secretary, Sarvodaya Study Circle, Rajapalayam.

III Research Scholars :

Name of the Scholar	Name of the Supervisior	Degree for which registered	Work published	Whether thesis submitted	Whether declared for degree
1. Dr. M. Satya vathy	Dr. S. Jayapragasam	Post-doctoral Work	Two Papers	Work in Progress	—
2. Dr. Bryan Teixeira	,,	,,	,,	,,	—
3. Ms. Mallammal	Dr. K. Arunachalam	Ph.D.	,,	Thesis submitted	Awarded
4. Mr, S. Chellapandian	Dr. S.Jeyapragasam	,,	One paper	,,	Result awaited.
5. Mr. L. Raja	,,	,,	Two papers	Work in Progress	–
6. Mr. R. Kannan	,,	,,	,,	,,	–
Part-Time Scholars :					
1. Mr. A. Ganapathy	,,	,,	two books	Thesis submitted	Result awaited
2. Mrs. S Andiappan	Dr. S. Jeyapragasam	,,	–	submitted	Result awaited
3. Mr. A. Packiam Amalraj	Dr. S. Jeyapragasam	,, ,,	– –	Work in progress	—

IV Courses conducted in the Department :

M.Sc. Peace—Making
M.Phil Peace—Making
Diploma Courses (Part-time)

V. Details of Seminars, Orientation Course, Summer Institute and Conferences conducted by the Department :

Seminar/Conference conducted by the Dept.	No. of delegates attended	Period from to	No. of teachers attended outside the University
1. Ten day N.S.S. Special Camp at Poondi Village, Madurai North Taluk	60	22-12-86 2-1-87	—
2. A Short Course on Yoga and Meditation	30	4-1-87 11-1-87	—
3. A Short course on St. Ramalingam's Life and Teachings	20	21-1-87 28-1-87	—
4. A series of five Symposiums on Sri Lanka Crisis	75	13-1-87, 18-3-87 6-4-87, 23-4-87 April 1987	—
5. Gandhi as a Symbol of Indian Culture	250	28-3-'87	
6. Short course on World Religions and Philosophical systems	25	27-4-87 to 3-5-87	—
7. One day Seminar on Madurai Water Crises	100	20-6-87	—
8. 'Taking Gandhi to Schools"-Four Districts Level Seminars at Madurai, Sivakasi, Tuticorin and Nagercoil,	75 in each Seminars	19-7-87, 25-7-87, 26-7-87 and 2-8-87	

VI Conferences, Seminars, etc attended by the teachers :

Name of the Teacher	Name of the Conference/Seminar attended	Details of the conference	Topic of papers presented
1. Dr. S. Jeya pragasam	Seminar on Peace Education organised by the Gandhi Peace Centre, Madras	15th Feb '87	Nuclear Weapons and the Developing World.
2. ,, ,	Seminar on Universal Religions and option for the Poor	23-8-87 to 29-8-87	Hinduism in the Perspective of Liberation Theology
3. -do-	Workshop on Violence/ Non-violence organized by Gurukkul, Madras	25-9-87 to 27-9-87	"Non-violent action"
4. -do-	Seminar : Religious Identity in a Multi-faith Society, at Indian Social Institute, New Delhi & WCC-Geneva.	22-11-87 to 29-11-87	"Communalism-The Indian Situation"
5. Dr. A. Pushparajan	Orientation Course for the Commission Members on Biblical, Catechetical and Liturgical Movement, at Patrol Centre.	21st and 22nd Feb. 1987.	
6. ,,	Islamic Studies Association, V convention, at Dhyana Ashram, Madras	1st to 4th Oct. '87	"Dialogue and Justice in the Christian Sources.
7. ,,	Invlovement of Laity in Catechetics at Pastoral Centre. (A One day Seminar)	17 August '87	

1	2	3	4	5
8.	Dr. M, Shunmugam	ICPR Winter Workshop at Bangalore	22-12 87 to 5-1-88	—
9.	Mr S. Andiappan	UGC National Seminar on Nehru's contribution to World Peace, S.V N College, Madurai	11th to 13th March 1987	—
10.	Mr. R. Kannan	International Interrelgious Youth Camp, Lisbon, Portugal	Aug-Sept. 1987	—
11.	Mr R. Kannan & Mr. S. Chellapandian	Seminar on Peace and Disarmament	16th to 18th Feb. 1987	"Disarmament and Development
12.	Mr L. Raja	One Month Rural Research Methodology Course-National Institute of Rural Develpment, Rajendra Nagar, Hyderabad-50	June 15th to July 15th 1987	—

VII List of Foreign Student :

S.No.	Name of the Student	Name of the country	Subject	Sex of the Candidate
1.	Bryan Teixeira	Canada	Peace Science	Male

VIII M.Phil/P.G./Ph.D. Students residing in the hostels :

		Men	Women	Total
Ph. D.		—	1	1
M. Phil		—	1	1
M. Sc.	I Year	4	1	5
	II Year	4	—	4

IX Other general informations :

Provisions for Ph. D. Work was made in 1982. The first Ph.D. was awarded during this year. Three more Ph D. dissertations have been submitted.

Contributed to the Resolution of Madurai Water Crisis and Rajapalayam communal conflict

First M.Phil batch came out and two new part - time Diploma Courses (One in Inter - religious Dialogue and Scientific Yoga and Meditation) have been started.

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

I. Staff :

Professor and Head of Deparment : Dr. V. Sachithanandan, M A., M Litt, Ph D. Dip. in. Sans.

Professors :

1. Dr. N. Subramanian, M.A , M.A. (San Diego State Univ) Ph.D.
2. Dr. Rosy D' Souza, M.A., D.T.E, (CIEFL), B.Phil (York)

Readers :

3. Dr. S. Jeevanagarathinam, M.A. M Litt, Ph.D
4. Dr. P. Rengasamy, M.A., B.O.L, Ph D.
5. Dr. D. Parameswari, M A., D T.E. (CIEFL) Ph.D.

Lecturers :

6. Mr. Francis Lawrence. M.A., B.T.
7. Mr. L.R. Laskshminarayanan, M.A.,
8. Mr. P. Veeman, M.A.,
9. Mrs. G. Jayalakshmi, M.A. B.Ed., M.Phil, D.T.E. (CIEFL)
10. Dr. M Elamaran, M.A., M.A. (Tamil), Ph.D., (From11-11-87)

II. Research Activities :

Dr. V. Sachithanandan

a) Research Works published during the year

"The Greative Process" The *Creative Process* ed. Dr. N. Radhakrishnan, (Gandhigram : Gandhigram Rural University, 1987)

b) Research works under print :

Introduction to Research (in Tamil)

c) Research works under progress :

i) A book on Western Literary criticism (in Tamil)

ii) A criticial study of Bharatis two versions of the French National Antham

Dr. N. Subramanian

a) *Research works published during the year :*
The Pastoral Element in Andal's Tiruppavai : A Specimen Study - Communicated to the International Comparative Literature conference at the University of Hawai.

b) *Research works under progress*

Subramania Bharati's Kani Nilam Ventum" An Explication

Dr. S. Jeevanagarathinam

a) *Research works under progress :*

Image of India in American Literature - A Project work

Dr. P. Rengasamy

a) *Research works published during the year :*

i) Matanga Mhoolamani - A Critique (Submitted to the International Institute of Tamil Studies, Madras)

ii) Unity and Diversity - a translation published by Tirumagal Noolagam, Madras

b) *Research works under print :*

i) Tamilil Shakespeare - a review of all the Tamil Translation of shakespeare plays

c) *Research works under progress :*

i) A text book on Translation - Theory and Practice

d) *Extra - Curricular activities*

i) Gave lectures to the students of the Pre-IAS Coaching Centre-Madurai-Kamaraj University

ii) Spoke on the Book-release function of a 'Translation of Poem's at Local library Authority, Tenkasi

Dr. (Mrs) D. Parameswari

a) *Research works publish during the year :*

"Modern Technology and Teaching of Engish"-Published in the monograph brought out by the Dept. of Education, Madurai Kamaraj University

b) Research works under print :

1. "Virginia Woolf's *Night and Day* : An archetypal approach"
2. "Ezekiel's *Three Plays* A Reassessment"

Mr. A. Francis Lawrence

a) Research works under progress :

Working on T.S Eliot for his doctoral degree and hope to finish in two years time.

b) Extra-Curricular activities :

Functioning as the Director of the Institute of Spoken English offering a number of useful course to graduates, house wives, teachers and businessman

Mr. L.R. Lakshminarayanan

a) Research works under progress :
An East - West Encounter : A Twelve volume Study

Mr. P. Veeman

Research works under progress :

Dissertation for Ph.D.

Mrs. G. Jayalakshmi

Research works under progress :

Working on 'Teaching of English' for her doctoral degree.

Dr. M. Elamaran

a) Research works under progress :
A Critical Biography of Bharatidasan (in English and Tamil)

III. Research Scholars :

Name of the Scholar	Name of the Supervisor	Degree for which registered	Works published	Whether thesis submitted	Whether declared for Degree
1. P.K. Kalyani	Dr. V. Sachithanandan	Ph.D.	Nil	No	No

Topic of Research : Mark Twin and R.K. Narayan : A Comparative Study

IV. Courses Conducted in the Department :

M.A. : English
M.Phil : English

V. Conferences, Seminars etc attend by the teachers during the year :

Name of the teacher	Name of the conference/ Seminar attended and the Place where held	Duration of the conference	Topic of Papers Presented.
1. Dr. N. Subramanian	E.L.T. M.K. University	20 days	The problem and remedies of Teaching of English
2. Dr. P. Rengasamy	Comparative Literature, Simla	15 days	Literary History
	VI - WTC Kula Lampur	5 days	Vibulandar
Dr. (Mrs) D. Parameswari	ELT Summer Institute, Amritsar	One month	Participation
Mr. A. Francis Lawrence	Summer Institute British council, Madras	15 days	-do-
Dr. M. Elamaran	UGC, National seminar. Pondicherry	2 days	Jawaharlal Nehru in Anna's Epistles.

VI. M.Phil/PG/Ph.D students residing in the Hostels :

	Men	Women	Total
M Phil/Ph.D.	6	12	18
PG. degree			
I Year	5	6	11
II Year	5	4	9
No. of SC/ST students residing in the Hotel	2	1	3

DEPARTMENT OF ENGLISH

P. G. EXTENSION CENTRE, PALAYAMKOTTAI

I Staff :

Readers : Dr. M.K. Sripathi, M.A., Ph.D.

Dr. S. Ravindranathan

II. Research Activities :

Dr MK. Sripathi

a) Research works published during the year :

1) 9 Papers have been published

2) NANNUL has been translated into English

3) Critical Bibliographies on the following four authors have been completed with 1985 as the cut off date

i) William Faulkner ; A Critical Bibliography

ii) John Barth : A Critical Bibliography

iii) Vladimir Nabokov : A Critical Bibliography

iv) Edward Estlin Cummings : A Critical Bibliography

v) A Concise Handbook on Research Methodology is printed

b) Research works under print :

The Doctoral Thesis Social Criticism in the Poetry of Edward Estline Cummings submitted to the Madurai Kamaraj University for publication.

c) Research works under progress

Will submit Post Doctoral Thesis : *Quest for Freedom, Identity and the Creative Self : A Comparative Study of Vladimir Nabokov and Edward Estlin Cummings* in August 1988

d) Hours of teaching

i) Three Lecture Sessions of Two hours each per week for Full Time M.Phil Scholars ... Six Hours

ii) One Seminar Session of Two hours each per week for Full Time M.Phil Scholars ... Two Hours

iii) Two Lecture Sessions for Two hours each for Part Time II Year Four Hours

iv) Two Lecture Sessions for Two hours each for Part Time I Year Four Hours

Dr. S. Ravindranathan

i) Two Lecture Sessions for Two hours each per week for Full Time M.Phil Scholars ... Four Hours

ii) One Seminar Session for Two hours each per week for Full Time M Phil Scholars Two Hours

iii) One Lecture Session for Two hours each for Part Time II Year ... Two Hours

iv) One Lecture Session for Two hours each for Part Time I Year ... Two Hours

III Research Scholars

Name of the Scholars	Name of the Supervisor	Degree for which registered	Topic of Research
1 Prof. S. Shanmugaiah M.A. Prof. of English, Yadava College, Madurai.	Dr. MK. Sripathi	Ph.D.	Norman Mailer
2. Prof Kasthuri Thilagam M.A. M. ED. Prof of English, Sri Govt. Meenakshi College for Women, Madurai		Ph.D.	Rober Penn Warren Hed submitted her Thesis
3. Prof Amaladoss Gnanapragasam M.A M.ED Prof. of English, Yadava College, Madurai.		Ph.D.	Franz Kaffa

1	2	3	4	5
4	Prof. S. Richards Prof. of English, Govt. Arts College, Melur	Dr. M. K. Sripathi	Ph.D.	Kunt Vonnegutt
5.	Prof. M.V. Tamilselvi Kanakiah Prof. of English, Sri Meenakshi Govt. College for Women, Madurai.	,,	Ph D.	Allen Ginsberg
6.	Prof Janet Harris M A. Prof. of English, Sri Meenakshi Govt. College for Women, Madurai.	,,	Ph.D.	Robinson Jaffers
7.	Prof. S. Venkatachalam M.A. M.Phil. Professor of English, Sree Sevugan Annamalai College, Devakottai	,, ,,	Ph.D	Tennessee Williams
8.	Prof. Rasheed Basha M.A. Prof of English, Sadakathullah Appa College, Palayamkottai.	,,	Ph.D.	Robert Lowell
9.	Prof. S. Mark Joseph M.A. Prof. of English, St. John's College, Palayamkottai.	,,	Ph.D.	Vladimir Nabokov
10.	Prof. Iyyappan M.A. Prof. of English, Sri. K.G.S. Arts College, Srivaikuntam.	,,	Ph.D	Ralph Ellison

IV Courses Conducted in the department

M. Phil. Full-time

M. Phil. Sequential

V Guest Lectures & Extension Lectures :

Sl. No.	Name of the Speaker	Topic	Date
1.	Dr. V. Sachithanandan, Professor & Head, Department of English & Comparative Literature Madurai Kamaraj University, Madurai 625 021	Comparative Literature and National Integration	6th March, 1987
		Whitman and American Transcendence	7th March, 1987
2.	Dr. Rosy D. Souza, Professor of English, Madurai Kamaraj University, Madurai,	Emily Dickinson	14th March, 1987
3.	Dr. P. Marudanayagam, Professor of English, University of Pondicherry, Pondicherry	Whitman and American Transcendence	21st March, 1987
4.	Dr. N. Subramanian, Professor, Department of English & Comparative Literature, Madurai Kamaraj University, Madurai.	Frost' Theory of Poetry	27th March, 1987

DEPARTMENT OF ECONOMICS

I Staff :

Professor and Heads of the Department : 1. Dr. R. Sankararamalingam, M.A.,Ph.D., Dept. of Economics
2. Dr. N. Srinivasaraghavan, M.A., M.Sc., Ph.D., Dept. of Econometrics

***Professor* :**

3. Dr. M.V. Sachitanandam M.A, M.Sc., M.Litt.

***Readers* :**

4. Dr. T. Valuthi Varagunasingh M.Sc., M Phil., Ph.D.
5. Dr. G. Subramaniyan M.A., M.Sc., Ph.D.
6. Dr. N. Durairaj M.A., Ph.D.
7. Dr. R.E. Benjamin M.A., Ph.D.
8. Dr. G. Velan M A., Ph.D.
9. Dr. K. Dhulasi Birundha M.A., M.Phil., Ph.D.
10. Dr. M.S. Subramanian M.A., M.Sc., Ph.D
11. Dr. R. Haridoss M.A., M.Phil. Ph.D.
12. Dr. N. Manonmoney M.A., Ph.D.

***Lecturers* :**

13. Mrs. S. Vijayalakshmi M.Sc.,
14. Mrs. N. Saraswathi M.A., M.Phil.
15. Dr. S.V. Hariharan M.A., MSc., A.M.A. Ph.D.
16. Mrs. K. Deivamani M.Sc.

II. Research Activities

Dr R. Sankararamalingam

Articles published during the year :
"Economics of Peace" Paper submitted in the Seminar organised by N.S.S. of Madurai Kamaraj University and S.T. Hindu College, Nagercoil

Dr. N. Srinivasaraghavan

Articles published during the year :
A paper on "Some Aspects of the problem of Unemployment"

Dr. M.V. Satchitanandam

a) Research works published during the year :

"Use of computers in higher education in economics in Modern Education and Teaching - brought out by the Department of Education, Madurai Kamaraj University, 1987

b) Research works under print :

"Friedmanan explanation of Engel elasticities"

e) Research works under progress :

1. Errors in varidles model
2. Friedman's permanent income hypothesis : Asdecion
3. Panel study of UGC Minor project of consumption function

Dr. T. Valuthi Varagunasingh

Research works under progress :

2 Projects : 1) ICSSR 2) UNEP

Dr. G. Subramaniyar

a) Papers published : Labour absorption in cotton cultivation : A case study, Indian Journal of Agricultural Economics, Vol. XLII, 1987

b) Research works under print

Economic Efficiency of Farmers growing High Yielding irrigated cotton in India, Margin (Journal of National Council of Applied Economic Research, New Delhi).

e) Research works under progress :

Growth of public expenditure in India, Research Project sponsored by the University

d) Books published during the year :

Cotton in Madurai District : An Econometric Analysis. Northern Book Centre, 4221/1, Ansari Road, New Delhi. (Financed by ICSSR, New Delhi)

Dr. N. Durairaj

a) *Research works under progress* :

Two Research projects : 1) ICSSR 2) IRPI
Articles published during the year : Three articles

Dr. R. E. Benjamin

a) *Research works under print* :

One report on 'informal sector in Madurai City' - ICSSR Project

b) *Articles published during the year* :

Articles published in a book by V. S. Mahajan 'Industrial Economy of India' Vol. 2, 1987 Deep & Deep Publication, New Delhi.

Dr. G. Velan

a) *Research works under print* :

Trade Unionism in the cotton textile industry of Madurai District

b) *Research works under progress* :

"Workers involvement in Union Activities"

c) *Articles published during the year* :

1. Trade Unions : the new responsibilities, published in the book namely "Planning for industrial relations management Deep & Deep publication, New Delhi.
2. Trade Unions and wage level, published in the Indian Journal of Labour Economics

Dr. K. Dhulasi Birundha

a) **Research works published during the year** :

1. Computers and Higher Education in Economics (monograph)	Paper presented in a Seminar on Technology by Dept. of Education, M.K.U and All India Association for Educational Technology
2. Newer strategies towards Rural Development. (monograph)	Paper presented at a National Seminar sponsored by Jan Tinbergen International Institute of Development planning Rothak, Haryana State.

3. State Administration — Published in Encylopedia of Sciences, Tamil University publication, Tanjore 1987.

b) Research works under print :

1. Economic of Gold control — To be published in Encylopedia of Social science Tamil University pub. 1988.
2. Women and water resource management — To be published by the Dept. of Energy and Environment, M.K Univ.

c) Research works under progress :

1. Environmental Impact of fuel utilisation in SSI — U.G.C. National fellowship Post Doctoral work.
2. Enery usage in the House hold sector
3. Rithing up of an input output model including Environment as one valuable.

d) Articles published during the year :

1. Utilization of Fuel in SSI Southern Economics July 1987.

Dr. M.S. Subramanian

a) Research works published during the year:

Sent an article to the Journal Bank Finance
Title: Inputs productivity in Tamilnadu Agriculture

b) Books published during the year:

Managerial Economics, III edition.

c) Research works under print :

Obtained Ph.D. degree in March 1987.

Dr. R. Haridoss

Research works under print :

Obtained Ph.D. degree in 1987.

Dr. N. Manonmoney

a) Research works under Print :

Ph.D. Thesis

b) Research works under Progress :

A Study of Environmental Pollution in Tamil Nadu

Mrs. S. Vijayalakshmi

a) Research works published during the year :

Ph.D. thesis on "Some aspects of technological change in Public sector industries - submitted.

a) Research works under progress :

UGC minor project report is under progress.

Dr. S.V. Hariharan

Research works under progress :

Informal sector in Madurai city - A pilot study and Income, Savings & Investment.

Mrs. K. Deivamani

a) Research works under progress :

- Ph.D. work on "State Taxation"
- UGC sponsored minor project "Mobilisation of resources through "State Taxation"

b) Articles published during the year :

'Capital Accumulation and Gold exchange standard' in Tamil University Encyclopaedia

III **Research Scholars :**

Name of the Scholar	Name of the Supervisor	Degree for which registered	Topic of Research	Works published	Whether thesis submitted
1. V. Nirmala	Dr G. Subramanian	Ph D	The Economics of irrigated rice cultivation in Tamil Nadu - A Case Study	Nil	Nil
2. Chellam Subramanian	Dr. R. Sankararamalingam	Ph D.	A Study on income employment and levels of living of landless agricultural labourers in Madurai District.	Nil	Nil
3. A. Duraisamy	Dr. T. Valuthi Varagunasingh	Ph D.	An Economic study of paper industry in India with special ref. to Tamil Nadu	Nil	Nil
4. K. Suyambulingam	Dr. N. Durairaj	Ph.D.	A Study of Marine Fishing industry in K.K. District	Nil	Nil
5. A D K. Jeyaseelan	Dr. Arumugam	Ph.D.	—	Nil	Nil

VI Courses Conducted in the Department :

M.A. : Economics
M.Sc. : Mathematical Economics
M.Phil : Economics

V. Details of Seminars, Orientation Course, Summer Institutes and Conferences conducted by the department during the year :

Name of the Dept	Seminar – Conference conducted by the Department	No. of delegates attended	Period	No. of teachers attended outside the University
Economics	UGC Summer Institute in Mathematics and recent Development in Economics	39	19-5-'87 to 14-6-'87	4

VI. Conferences, Seminars etc, attended by the teachers during the year :

Name of the Teachers	Name of the conference, Seminar attended and the place where held	Duration of the conference	Topic of papers presented
Dr. R. Sankara-ramalingam	UGC Summer Institute in Mathematic and Recent Developments in Economics, Madurai Kamaraj University	May 19th '87 to June 14th '87	Served as Director
Dr. M.V. Sachi-tanamdam	Indian Labour Conference at Trichy	Jan. 1986	Technological progress in Industries
	Conference on Energy & Environment, ICC.&CE. Madurai Kamaraj University	Jan. 1987	Energy Science and Economic Development
	Conference on Modern Technology and Higher Education, Dept. of Education, Madurai Kamaraj University	Sept. 1987	Use of Computers in higher educaton

1	2	3	4
Dr. G. Subramaniyan	Forty-seventh Annual Conference of the Indian Society of Agricultural Economics, West Bengal	Sept 24-26 1987	Labour absorption in Cotton Cultivation
	International Seminar on Economic Theory and related Mathematical Methods, Indian Statistical Institute, New Delhi	Feb. 11th '87 to Feb. 13th '87	Estimating input demand and cotton supply in Tamil Nadu : Profit Function Approach
	Seminar on Research Methodology, Alagappa University, Karaikudi	Feb. 17th '87	Application of Statistics to Research
	UGC All India Seminar, University of Madras.	Dec. 9-11th 1987	Economics of Production, Cost & profit
Dr. N. Durairaj	7th Annual Conference of the Association of Economics, Trichy	24-25 Jan. 1987	Child labour in Match Industry
	COHIP lecture at SSA College, Devakottai	March 23rd '87	A Review of Indian Planning
	All India Workshop on orientation in Education, UGC sponsored U.D. College, Trichy	1st Aug. '87 to 15th Aug. '87	Education and Society
	COHIP guest lecture at the M.D.T. Hindu College, Tirunelveli	Oct. 5th '87	New International Economic order
	Seminar on Indian Industrial Scene at Arul Anandar College, Karumathur	26-27 Oct. 1987	Marine Fishing Industry in Tamil Nadu
	COHIP guest lecture at Arul Anandar College, Karumathur	Oct. 28th '87	Research Methodology
	COHIP guest lecture at Thiagarajar College, Madurai	Nov. 6th '87	Modern approaches in monetary theories

1	2	3	4
Dr. R.E. Benjamin	National Seminar on Futorology at M.K. University	March 1987	Modernisation of the economy through technology
	National Seminar on 'droughts & floods' at M.K. University	Nov. 1987	Economic perspectives of droughts
Dr. G. Velan	Association of Economists, Trichy	24-25 Jan. 1987	Long term fiscal policy and the role of the public sector
	UGC sponsored National level Seminar on 'Planning for Industrial relations in the 21st century" at Chandigarh	20-21 March 1987	Trade Unions - The New Responsibilities
	UGC sponsored National level workshop at UD College, Trichy	10 days	"Value based Education"
	28th Annual Conference of the Indian Society of Labour Economics held at Trichy	16-18 Jan. 1987	1. State of trade unionism in India today 2. Trade Unions of India today and Union leadership
Dr. K. Dhulasi Birundha	A National Seminar on Development Planning, Rothak	8-10 Jan. 1987	Newar strategies towards rural development
	All India Labour Conference, Trichy	16-18 Jan. 1987	Technological progress and employment
	Seminar on Development issues, M.K. University	Jan. 21 1987	Renewable sources of Energy for rural development
	Workshop on IREP, Planning commission	Jan. 19-24 1987	Energy Economics

1	2	3	4
	Association of Economists Annual Conference	Jan. 24-25 1987	Economic Aspects of child labour
	National Seminar on Nehru's contribution to world peace	Mar 11 1987	Economic Philosophy of Nehru and its relevance to peace
	Impact of long term fiscal policy in Business, Tiruppattur.	Mar 13th '87	Seminar on Long term fiscal policy
	Seminar on Modern technology and higher education	Sep. 7th '87	Computers and higher education in Economics.
	Industrial Scene in India, Arul Anandar College, Karumathur.	Oct. 26th '87	Problems of small scale industries in Tamil Nadu.
	Workshop on Environmental Education. Ahamedabad.	Nov. 24-26th 1987	Resource person
	Radio talk - All India Science Sammalanam, Madras.	Sep 13th '87	Other sides of industrial growth Environmental decay Talk in Tamil
	Environmental Awareness Campaign, Madurai.	Nov. 26th '87	Drought and Human resources - Talk in Tamil
Dr. N. Mononmoney	Association of Economists, Trichy.	Two days	'Child Labour'
	Dept. of Economics, I.C.C. & C.E Madurai Kamaraj University	One day	The Problem of Environmental pollution in developed and developing countries
Mrs. S. Vijayalakshmi	Summer Institute in Mathematics and Recent Developments in Economics.	28th days	Served as Resource Person.

1	2	3	4
Dr S. V. Hari-haran	Indian Economic Association, University of Rajasthan, Jaipur.	28-30 Dec. '87	Trend of India's Foreign Department.
Mrs. K. Deiva-Mani	Association of Economists, Trichy	Two days Jan. '87	—
	Research scholars Meet MIDS, Madras.	Apr. '87	Problems involved in the analysis of State Tax Structure
	ICSSR Training Programme on Research Methodology & Recent Development in Economics.	One month	State Tax Structure-A Brief Synopsis
	All India Labour Conference, Trichy.	3 days	
	Worshop on Banking, Canara Bank, Madurai.	one day	Banking for Women.

VII. M.Phil. / P.G. / Ph.D. students residing in the hostels :

	Men	Women	Total
M.Phil.	12	4	16
Ph.D.	2	—	2
I M.A.	15	—	15
II M.A.	10	—	10
I M.Sc.	2	2	4
II M.Sc.	5	1	6

No. of SC / ST students residing in the hostel : 16

VIII. Other general information :

Dr. R. Sankaraamralingam, Prof & Head, served as member of the UGC's curriculum Development Committee conducted under the auspices of Bombay University.

SCHOOL OF HISTORICAL STUDIES

I. Staff :

Professor and Head of the Department : Dr. G. Thangavelu, M.A., Ph.D., B.L., B.Lit.

Readers :

1. Dr. S. Manicam, M.A., Dr. Phil. (Heidelberg).
2. Dr. R. Venkataraman, M.A., Ph.D.
3. Dr. D. Daniel, M.A., Ph.D.
4. Dr. P. B. Gopalakrishnan, M.A., Ph.D.

Lecturers :

1. Dr. P. Sarveswaran, M.A., Ph.D.
2. Mr. S. Selvin Kumar, M. A.
3. Dr. S. Chandrababu, M.A., Ph.D.
4. Mr. R. Santha Kumar, M.A., M.Phil.

II. Research Activities :

Dr G. Thangavelu

Research work under progress :

1. "Temple of North Arcot"
2. "Padavedu and its region upto 1565 AD".

Hours of Teaching :

M.A. — 2 hours per week
M.Phil. — 4 hours per week

Dr S. Manickam

Research work under progress :

1. Some insights into the Process of urbanization with particular reference to the Medieval Madurai region.
2. A Comparative Study of the Dalits in India and the Blacks in USA.

Hours of Teaching :

M.A. — 4 hours per week
M.Phil. — 2 hours per week

Dr. R. Venkatraman

b) Hours of Teaching :

M.A. — 4 hours per week.
M.Phil. — 2 hours per week.

a) Research work under progress :

1. Guiding three scholars in their doctoral research.

2. Associated with the CSIR project on the Traditional Navigation of India.

Dr. D. Daniel

b) Hours of Teaching:

M.A. — 6 hours per week

a) Research work under Progress :

Leftist Movement in Travancore.

Dr. P.B. Gopalakrishnan

Hours of Teaching :

M.A. — 4 hours per week
M.Phil. — 2 hours per week

Dr. P. Sarveswaran,

b) Hours of Teaching :

M.A. — 4 hours per week
M.Phil. — 2 hours per week

a) Research work under Progress :

1. To Edit a Tamil Ballad "Mannar Kathi".

2. "Archives Keeping".

Mr S.Selvin Kumar

b) Hours of Taaching :

M.A. — 4 hours per week

a) Research work under Progress :

Ph.D. thesis on 'Siva Icons of Madurai Temple".

Dr. B. S. Chandra Babu'

b) Hours or Teaching:

M.A. — 6 hours per week

a) Research work under Progress :

Working on a research article to be presented at the South Indian History Congress scheduled to be held in Quilon on 9th, 10th and 11th January 1988.

Thiru R. Santha Kumar,

b) Hours of Teaching :

M.A. — 6 hours per week

a) Research work under Progress :

Working on a research paper to be submitted at the South Indian History Congress scheduled to be held on 9th, 10th and 11th January 1988 in Quilon, Kerala.

III Research Scholars (Ph.D.)

	Name	Guide	Topic
1.	Miss B. Anandavalli	Dr. R.Venkataraman	"Crime and Punishment in Tamil Society upto 1300 AD-A Historical Stduy".
2.	Ms. P. Nagoor Kani	Dr. D. Daniel	'Social Changes in Tamilnadu"
3.	M. S. Varghese Jeyaraj	-do-	Topic not registered
4.	Mr. J. Sampath	Dr. S. Manickam	-do-

IV. Courses Conducted in the Department

M.A. – History
M.Phil. — History

V Conferences, seminars etc. attended by the teachers during the year :

Name		*Particulars*
1. Dr. G. Thangavelu	—	1. South Indian History Conference 2. Indian Political science conference 3. Academic Staff Training Workshop at Waltair.
2. Dr. S. Manickam	—	1. Indian Historical Records Commission Golden Jubilee Session, Lucknow, 10th and 11th February 1987. 2. International Seminar on Indian History 3-5 September 1987 at Shivaji University, Kolhapur
3. Dr. R. Venkataraman	—	1. Attended ICHR Seminar on "State formation in South India" at University of Calicut from 12th to 14th Feb. '87. 2. Resource Person in the "Orientation Programme in History for the college Professors affiliated to the Central University, Pondicherry" at Pondicherry, 9-12 April 1987. 3. Resourse person in the "Workshop on the "History of the Traditional Navigation of India" held at ECLOT, at Pondicherry by the Tamil University-Tanjore from 13th to 15th October 1987 4. Attended the XI World Tamil Conference at Kuala Lumpur from 15th to 19th November 1987.
4. Dr. Daniel	—	1. South Indian History Congress Annual Session, Madras, January 1987 - Pāper presented 2. Indian History Congress, Annual Session, Goa University, Nov. '87-Paper presented

5. Dr. P.B. Gopala-krishnan – 1. South Indian History Congress held at Madras from 9-11th Jan. 1987 and presented a paper.

2. Attended the UGC Seminar on 'Nehru' held at S. Vellaichamy Nadar College, Madurai, in Feb. '87 and presented a paper.

6. Dr. P. Sarveswaran – 1. Society of South Indian History, Kanyakumari 1987

2. South Indian Culture Society, Trivandrum 1987,

VI List of Foreign Student :

Name of the Country : University of Chicago, U.S.A.
Name of the student : Mr. Samuel Kenneth Parker

VII. M. Phil. / PG/ Students residing in the hostels

	Men	*Women*	*Total*
1. M Phil.	18	6	24
2. I. M. A.	14	2	16
3. II. M.A.	15	2	17
No. of SC Students in the Hostel	12	3	15

DEPARTMENT OF HISTORY

PG EXTENSION CENTRE, PALAYAMKOTTAI

I Staff :

Reader & Head of the Department : Thiru R. Subbiah M.A. B.T.

***Reader* :**

Thiru K Sadasivan M.A. M. Phil.

***Lecturers* :**

1. Thiru M Desayar M.A. M.Phil.
2. Dr. J. Alasiar M.A Ph.D.

II. Courses conducated in the department :

M.A. History

III. P.G. Students Residing in the Hostels :

	Men	Women	Total
PG Degree			
I Year	—	1	1
II Year	2	3	5
No. of SC/ST students residing in the Hostels	2	3	5

DEPARTMENT OF GEOGRAPHY

I. Staff :

Professor and Head of the Department :

Dr. S. Jayachendran, M.A , Ph.D.

Readers :

1. Dr. K. S. Gopalakrishnan, M.Sc., Ph.D.,
2. Dr. E. Swaminathan, M. Sc., Ph D., (on lien from 27-11-86)
3. Dr. N. Krishnan, M.Sc., Ph D , Dip. in Stat.
4. Mr. S. Shanmuganandan, M.Sc., M.Phil , (From 6-11-87)

Lecturers :

5. Dr. M. Sambasiva Rao, M.Sc., Ph.D.,
6. Dr. P. Ilangovan, M A., Ph.D ,

II. Research activities :

Dr. S. Jayachandran

a) Hours of Teaching : 9 hours

b) Under Progress : one paper

Dr. K. S. Gopalakrishan

a) Hours of Teaching : 15 hours

b) Under progress : Two papers on Environment

c) Under Print : Three Research papers

d) List of Seminars etc. attended during the year : Two

Name of the conference	Place	Duration	Paper presented
Seminar on Drought	Madurai Kamaraj University	one day	Geographer and the Drought
Urban Growth, Water Supply and Sanitation	Madras University	3 days	Impact of Urbanization on sanitation : Madurai A case study

e) *Other information*

i) Completed and submitted a project Report to U.G.C. "On An Analysis of marketing Facilities Agricultural Development in Ramanathapuram District Backward and Drought prone Area Tamilnadu

ii) Delivered a lecture on "Project formulation in Geography" at the P.G. Department of Geography, Govt. Women's College, Kumbakonam

Dr. N. Krishnan

a) *Hours of Teaching* : 12 hours

b) *List of Simenars etc. attended during the year* :

Name of the conference	Place	Duration	Paper presented
Urban Growth, Water supply and Sanitation	Madras University	10-12 December '87	—

c) *Other information*

Three Guest Lectures to the students of M.A., Social work conducted by institute of Social work, Madurai

Mr S. Shanmuganandan

a) *Research works published during the year* :

The Application of statistics and cartographic Techniques in Epidemiology.

b) *Research works under progress* :

i. Preparation of a Research proposal for Disease Atlas.
ii. Suicides and Attempted Suicides.
iii. Geocedogical perspectives on the distribution of Leprosy.
iv. Spatial pattern of Nutritional Anaemic in Third world countries.

c) *Research works under print* :

i. Smoking Among Medical Students.
ii. Smoking and Acute Myocaidial infraction.

iii. Smoking in Children.

iv. Smoking, Health and Behaviour : A case study of Rural Population.

v. Parasitic Diseases and their implications in the Pacific Region Georiological and Epidenidogical Aspects.

vi. The Ecology of a Human Disease : A Geomedical study of Tuberculosis in India.

vii. Tuberculosis in Developing Countries : An overview.

viii Disease Diffusion - Cholera.

d) Hours of Teaching : 14 hours.

e) Extra-curricular activities :

Academic : i Delivered a guest lecture in the Medical University of Tokyo, Japan on 11-11-87.

ii Delivered a Guest lecture in the Medical University of Okayama, Japan on 16-11-1987.

f) List of Seminars etc. attended during the year :

i. Indian institute of Geographers Annual conference, at Bombay and presented paper February '87.

ii. VI Annual conference of Indian Society for Medical Statistics, 24-26th. September 1987, Srinagar

iii. VI World conference on Smoking and Health held at Tokyo, Japan.

Dr. P. Ilangovan

Hours of Teaching : 16 hours per week.

List of Seminars etc. attended during the year:

Name of the conference	Place	Duration	Paper presented
Urban Growth, water supply and sanitation.	I. G. S. Madras	10-12 December 1987.	—

III. Research Scholars :

	Name of the Scholar	Guide	Degree	Topic	Remarks
1	Selvi Manjula Devi	Dr. N. Krishnan	Ph.D.	Analysis of Growth and Spatial Pattern of Industrial nodes in South Tamil Nadu.	Nil
2	Selvi S. Kanthimathi Mariammal	Dr. K. S. Gopalakrishnan	,	Land Use and Land value of Triunelveli Urban Agglomoration	Nil
3	Mr. N. Murugesan	Dr. E. Swaminathan	,,	Health Care and Efficiency of Health care Delivery system in Salem District.	Submitteed Thesis on 13th. July 1987.
4	Selvi I. Vathsala	Dr. M. Sambasiva Rao	,,	Geomorphology, Evaluation and Optimum Utilisation of Land Cavery Delta.	Submitted Thesis in 31st. July 1987.
5	Selvi S. Nageswari	Dr. K. S. Gopalakrishnan	,,	An impact of Agricultural inputs on Agricultural Devement of a Region a case study : Kamarajar District.	Nil
6	Selvi M. Rajeswari	Dr. M. Sambasiva Rao	,,	Water Balance and Cropping Pattern of Madurai Ramnad and Pudukottai Districts.	Nil
7	Mr. V. Thangamani	Dr. K. S. Gopalakrishnan	,,	"Morphological Evalution and Evaluation of Land and water resources of Ponnaiyar River Basin, Tamil Nadu	Nil

IV. Courses conducted in the Department :

M Sc. — Geography
M.Phil. — Geography

V. Students residing in the Hostels :

	Men	Women	Total
M.Phil.	1	2	3
M.Sc. I Year	8	4	12
II Year	8	2	10

VI Other general information :

Dr. S. Jayachandran, Professor and Head, appointed as the member of the advisory Committee of the Southern Region ICSSR, Hyderabad.

DEPARTMENT OF POLITICAL SCIENCE

I Staff :

Professor and Head of the Department

Dr. S. Subramanian, M.A., Ph D

Readers : 1. Dr. K. Pandurangan, M.A , Ph D.

2. Dr. Albert Johnson, M.A., Ph.D.

Lecturers : 3. Dr. T. Kalyani, M.A. (History), M.A, (Politics & Pub. Admn.), B.G.L., Ph.D.

4. Thiru P. Periakaruppan, M.A., M.Phil.

II Research Activies :

Dr. S. Subramanian

a) Research works published during the year -

Nehru's Contribution to Democratic Socialism.

b) Research works under progress

Edited the papers of the symposium on Jawaharlal Nehru.

c) Extra-Curricular activities :

1. Co-opted member of the Executive Council of the Madurai Local Branch of II PA.
2. Member, Academic Affairs Committee, IIPA, New Delhi.
3. Adviser to UPSC on Syllabi Revision for Civil Services (Main) Examinations.

Dr. K. Pandurangan

a) Research works under progress :

Policing at the District Level.

III. Research Scholars :

Name of the Scholar	Name of the Supervisor	Degree for which registered	Topic of Research	Works published	Whether thesis submitted	Whether declared for the Degree
Mrs. R. Neelabai	Dr. S. Subramanian	Ph.D.	Administration of Temple Lands and Properties with reference to Meenakshi Temple in Madurai City.	Nil	Yes	Yes
Mr. Albert Johnson	Dr. S. Subramanian	Ph.D.	Voting Behaviour and Political participation with reference to Madurai City.	,,	,,	,,
Mr. G.D. Gnanasekar	,,	Ph.D.	Managerial Evolution and work centered Motivation - A case Study	,,	,,	,,
Mrs. T. Nirmala	,,	,,	The Organisation and role of Women Police in Tamil Nadu	,,	,,	,,
Mr. N. Thiruvenkadasamy	,,	,,	Indo-U S relation - A Study of the Foreign Policy of the two countries during President Nixon's Administration.	,,	Nil	Nil
Mr. R. Madhanagopal	,,	,,	U.S response to India's Nuclear Policy - 1963-83	,,	Nil	Nil

Mr. S. Muthu-krishnan	Dr. Subramanian	Ph.D.	The President's rule under Act 356 of the constitution with reference to Kerala - A critical Study.	Nil	Nil	—
Prof. S. Clement Arulnathan	,,	,,	Autonomy - A Critical Study with reference to the Constitution of India.	,,	Yes	
Mr. A. Selvam	,,	,,	The Congress Party in Tamil Nadu: A Time Dimensional study of its Prominence and Decline as a Ruling Party (1952 - 67)	Nil	Nil	Nil
Mr. I. Ravi Arumugam	,,	,,	Performance evaluation of Poonamale Police Station.	,,	Nil	Nil
Mr. S. Vadivelu	,,	,,	District Central Co-operative Banks in Tamil Nadu - A Study in Personnel Administration	,,	Yes	
Mr. P. Natesan	,,	,,	State Enterprises in Tamil Nadu - A Case study of the working of Pandyan Roadways Corporation.	,,	Nil	Nil

1	2	3	4	5	6	7
Mr	K. Chandra-sekaran	Dr. Subramanian Ph.D.	An Analytical Study of the performance of D M K. and A.I.A.D.M.K. Political parties in Civic elections to Municipalities and Panchayat Unions in Feb. '86 with referencc to Madurai District.	Nil	Nil	Nil
Mr.	SP. Thamil-maran	,, ,,	Political orientation of Post Graduate students in M. K. University	,,	,,	,,
Mr.	P. Palani-chamy	Dr K. Pandu-rangan ,,	District Police Adminis-tration with special reference to Madurai District	,,	,,	,,

IV Courses Conducted in the Department.

M. A. — Political Science
M. Phil — Political Science

V **Conference, Seminars etc., attended by the teachers during the year.**

Name of the teacher	Name of the Conference Seminar attended and the place where held	Duration / of the Conference Seminar	Topic of papers presented
1. Dr. S. Subramanian,	Annual conference of Indian Institute of Public Administration, New Delhi.	3 days from Oct 31st '87 to Nov. 2nd '87	Local Government in Tamil Nadu.
2. Dr.T. Kalyani	Seminar on 'State Formation in India" Conducted by Indian Council of Historical Research, History Department, Calicut University, Calicut.	3 days from Feb. 12th '87 to Fer. 14th '87	Invited and Participated.

VI. **M.Phil / P.G. Ph.D., students residing in the hostels.**

	Men	Women	Total
M.Phil / Ph.D	2	—	2
P.G. Degree. I Year	6	3	9
II Year	5	1	6
No. of SC / ST students residing in the hostels.	3	1	4

DEPARTMENT OF SOCIOLOGY

I Staff

Professor & Head of the Department : Dr R. Venkataratnam, M.A., Ph.D., Dip. in French., Certificate in Kannada.

Reader :

Dr. L. Thara Bhai, M.A., Ph.D.

Lecturers :

1. Mr. R. Kannan, M.A., M.Phil.,
2. Ms. Gokilavani, M.A,, M Phil.,
3. Ms. B, Nalini, M.A., M.Phil.

II Research Activities :

Dr. R. Venkataratnam

a) Research works published during the year :

1. Health care in Japan - A study In Health sociology - A book published in Japan - ILCAA - JAPAN - 1987. (TOKYO)
2. Scheduled Caste and Rural Development - Presented at seminar conducted by Indian Institute of Public Administration - Madurai Branch.

b) Research works under progress :

Impact of Regional Television - A comparative study of Tamilnadu and AndraPradesh - Sponsored by Space Application Centre, ISRO - Ahemadabad

c) Extra - curricular activities :

Honarary Director - Audio Visual Research Centre
President - Madurai Sociological Society.

Dr. L. Thara Bhai

a) Research works published during the year :

Caste and class relations in South India - Gain Publicatihns - New Delhi - Book Published in 1987.

retrospects and prospects of a 'Social Pollution Eradication Movement' An analysis of D.K. Movement in Tamilnadu - Paper presented at the International Conference for the Sociology of Religion at Tubingen, West Germany from 26th August' 1987 to 29th August '87.

Caste system in India-Past and Present - Special Lectures in Management Studies, Madurai Kamaraj University in September '87.

b) ***Research works under Print :***

1. Malladi Subbamma : Atrocities on women - in Review Projector (India) Coimbatore.

2. Peter Custers : Women in the Tebhaga - uprising in Review-Projector (India) Coimbatore.

c) ***Research works under progress :***

Sacred complex of the city of Madurai - UGC Project.

d) ***Extra-curricular activities :***

1. Chairman N.S.S. Women's Wing Madurai Kamaraj University.
2. Warden - University Women's Hostel.

Thiru R. Kannan

a) ***Research works published during the year :***

Towards the application of social science techniques to literature research - issues and trends - Paper sent for publication to International Journal of Dravidian Linguistics.

'Fairy Tales in Ramayana' - Paper prestented by symposium on,' Fairy Tales as Cyphers of Indian Culture' - Nov 12-14, 1987- conducted by Madurai Kamaraj University and Max-Mueller Bhavan, Madras.

b) ***Research works under progress :***

Carrying out an Individual Research project entilted' Television advertisements and the viewers' perception - A Sociological study in communication process with University assistance.
Presently reviewing a book entitled, 'Bazigars of Punjab'.

c) ***Extra curricular activities :***

The Editor, 'MASS NEWS' - Quarterly News Letter of Madurai Sociological Society.

Ms. S. Gokilavani

a) *Research works published during the year*

1. Alcoholic Habit - A sociological perspective, Journal of Blue cross society, Madurai Branch.
2. Sociological consciousness of Alcoholism: A content Analysis of a Tamil Daily, Journal of Blue Cross Society, Madurai Branch.
3. Problems of Urban Women.

b) *Research work under progress ;*

1. Submitted thesis for Ph.D. in October, 1987.
2. UGC Minor Research Project on, ' Reference Groups of Doctors in an Organisational setup - A comparative study of two hospitals in Madurai city.

c) *Extra curricular activities :*

Member - Madurai Sociological Society
Member - Madurai Historical Society
Member - Applied Linguistics Forum.
Member - South Asia Regional Group of the International Commission on the Anthropology of food.

Member-RC-15 Medical sociology-Section of the International Sociological Association

Ms. B. Nalini

a) *Research works published during the year :*

1. Pace-setting schools and quality improvement - A sociological perspective (Monograph)

b) *Research works under print :*

Youth, Alcoholism and Film media : Journal of Blue cross Society Madurai Branch.

c) *Research works under progress :*

A comparative study of professional Orientation among Doctors and University Teachers - Funded by Madurai Kamaraj University, Madurai. Doctoral Thesis.

Papers presented :

d. A Thematic Analysis of Fairy Tales in India - Paper presented at Fairy Tales as Cyphers of Indian Culture' Nov. 12.14, 1987 conducted by Madurai Kamaraj University and Max Mueller Bhavan.

III Research Scholars :

Name of the scholar	Name of the supervisor	Degree for which regis-tered	Topic of research	Whether thesis submitted
Mr. N. Sobhana bhai	Dr. R. Venkata-ratnam		'A Study on the availability of Food and the Social Patterning use in the villages in Madurai District.	NIL
Mr. A. Velu-chamy	Dr. R. Venkata-ratnam		Operation of Reward System & Social mobility in the Scientific Community - A Comparative study of Scientists in Biological and Agricul-tural Sciences in Tamilnadu.	
Miss. R. Ananda valli	Dr. R Venkata-ratnam		A Study on the acceptance and Practice of Values in the Teaching Profession: A study of University Teachers in Tamilnadu	

IV. Courses Conducted in the department

M. A, Sociology
M. Phil. Sociology

V. Details of Seminars, etc, conducted by the department.

Name of the Department	Seminar / Conference conducted by the department	No. of delegates atteneded	Period	No. of teachers attended outside the University
Department of Sociology	'Prof. S.V. Chittibabu Endow ment' Lectures		25-9-1987	10
	'Seminar on Rural Develop-ment'		11-11-1987	10

VI Conferences, Seminars etc., attended by the teachers during the year.

Name of the teachers	Name of the conference / Seminar attended and the Place where held	Duration of the conference	Topic of papers presented
Dr. R. Venkata-ratnam	Key Note Address - Inauguration of Autonomy of A.A. college, Karumathur on 1st July, 1987. 'Fairy Tales is Cyphers of Indian culture - conducted by Madurai Kamaraj University and Max - Mueller Bhavan, Madras. (Nov 12-14, 1987) - Presided over the session.		
Dr. L. Thara Bhai	Caste system in India - past and present - special lecture conducted by Management Studies. Fairy Tales as Cyhpers of Indian Culture - conducted by Madurai Kamaraj University and Max - Mueller Bhavan, Madras. Nov 12 - 14 Director of the above symposium.		
Mr. R. Kannan	Fairy Tales as Cyphers of Indian culture - symposium conducted by Madurai Kamaraj University and Max - Mueller Bhavan, Madras. (November 12 - 14, 1987) Paper presented : 'Fairy Tales in Ramayana'		
Ms. S. Gokilavani	1. 'Central Educational Tribunal : Decentralisation of Administration of Justice in centres of higher education, 18th April, 87 conducted by ICC & CE, Madurai Kamaraj University. 2. 'Seminar on the Role of voluntary organisations for the welfare of Women by DAWN, 11 October, 1987. 3. National seminar on Futurology, 1987 sponsored by Dept & Science in development, New Delhi.		
Ms. B. Nalini	1. Fairy Tales as Cyphers of Indian culture symposium conducted by Madurai Kamaraj University, and Max - Mueller Bhavan, Madras - (November 12 - 14 1987) Papar presented : 'A thematic Analysis of Fairy Tales in India.		

VII M.Phil. / P.G. / Ph.D. students residing in the hostels.

		Men	Women	Total
M.Phil.		2	1	3
Ph.D.		--	1	1
P.G. Degree	I year	4	4	8
	II year	6	3	9

No. of SC / ST students residing in the hostels.

		Men	Women	Total
		4	1	5

DEPARTMENT OF SOCIOLOGY
PALAYAMKOTTAI
P G. EXTENSION CENTRE, PALAYAMKOTTAI

I. Staff :

Reader :

Dr. C. N. Natarajan, M.A., B.L., D.L.L., Ph.D.

Lecturers:

Thiru I. Singaram	M.A., M.Phil.
Thiru G. Karunanithi	M.A., M.Phil.
Dr. R. Shankar	M.A., M.Phil., Ph.D.

II Research Activties :

a) Research work published during the year.

"Role of Credit Agencies" in Khai Gramodyog, July 1987.

b) Research work under progress.

Ph. D. work.

Thiru G. Karunanithi

a) Research work under print

Development of Industries in Sivakasi : A Historical Analysis in the forth Coming 'Indian Journal of Industrials relations.

b) Researeh work

Ph.D thesis Submitted in Jan. 1987-submitted

III. Courses Conducted in department

M A. Sociology
M. Phil. Sociology

IV. Conference, Seminar, etc. attended by the Teachers during 1987.

Name of the Teacher	Name of the conference/ Seminar attended and the place where held	Duration of the conference	Topic of the paper
Dr. C.N. Natarajan	Seminar on "Impact of the Emergence of Disintegrative Forces on India's Future" at the Department of History Madurai Kamaraj University P.G. Exten. Palayamkottai	16 November, 1987	"Communalism"
	XII Indian Social Science Congress at the University of Mysore, Mysore.	14 to 17 July 1987	"Organization of Agricultural Labourers - Trends and issues"
Dr. R. Shankar	Seminar on "Social Aspects of Rural Development" at Meerut University, Meerut. (UP)	25 & 26 March 1987	"Administrative Rearrangements and Social response to Rural Development in Two States"

V. M. Phil / PG students residing in the Hotel :

	Men	Women	Total
M Phil.	3	1	4
M.A.			
I Year	4	—	4
II Year	5	—	5

DEPARTMENT OF FRENCH

I. Staff :

Reader & Head of Dept. : Sister Therese Marie M.A., Ph.D.,
(Retired from 24-3-1987)

Lecturer & Head in charge

1. Mrs. Rajeswari Chandrasekar : M.A., D.D.L., (PARIS)

Lecturers :

2. Mr. Arul Rethinam : M.A., Diploma Sup. (French)
(He is on leave for two years from 7-8-1986) : (Grundstufe II (German)
3. Mrs. Amirda Marie Therese : M.A.,
4. Mr. Marie Pierre Augustin : M.A., M.Phil., D.P.FE. (France)

Part time - Lecturers :

i) Mrs. Ranjini Thomas : M.A., (M.Phil)
ii) Mr. P. Sivakumar : M.A.

II. Research Activities :

Mrs. Rajeswari Chandrasekar.

a) Research works published during the year :

1. *Litterature et Toxicomanie*

(Traitd' Union : francl Indian magazine published in Pondicherry : January 1985 issue Voo. XLI No, 111)

2. *Ouvrages francais pourle lecture indien*

Trait d'Union : Published in August 1985.
Vol. XLI No. X.

3. Introduction to Periapuranam (Vol. XVIII November 1986.
4. Translation of French Comics in Tamil (Lion Comics - Sivakasi published)
5. Doctoral Thesis submitted.

Topic : "Les Realites Sociales dans l'oeuvre de F. Mauriac".
(Social aspects of the Novels of Francois Mauriac).

6. Presented a paper on Teaching of French as a foreign language in Applied Linguistics Forum, Nov. '87 Madurai Kamaraj University Madurai-21.

b) Research work under print :-

Translation from Tamil to French of Periapuranm Prose version for the Intercontinental Thamizh Cultural Organisation (28, South Car Street, Srivilliputtur).

Sponsoring Magazine : La Lumiere
of Mauritius Tamil Temples Federation :

Mrs. Amirda Marie Therese,

Research works under progress :

"A Comparative study of Mauriac and Thomas Hardy"

Mr. Marre Pierre Augustian

Research works under progress :

"A Comparative study on the structural aspects of some popular tales in Tamil & French".

III Research Scholars (Part - time) :

1. Mr. Arul Rethinam,
   Lecturer,
   Dept. of French,
   M. K. University,
   Madurai - 21.

2. Sr. Mesmin,
   Holy Cross College,
   Nagercoil.

3. Mr. Meenakshisundaram,
   American College,
   Madurai - 2.

4. Mrs. Soundaram,
   'SAARUL'
   (Near St. Mary's Paediatiric Hospital),
   Moondru Mavadi, K. Pudur,
   Madural - 7.

5. Mrs. Amirda Marie Therese,
   Lecturer in French,
   M. K. University,
   Madurai - 21.

6. Mr. Marie Pierre Augustin,
   Lecturer in French,
   M. K. University,
   Madurai - 21.

IV Courses conducted in the deparment :

M. A. French

Certificate and Diploma Courses in French/Higher diploma course in Freanch

V Details of Seminars, Orientation Course, Summer Institutes and Conferences conducted by the department during the calendar year

Name of the Dept.	Seminar/Conference conducted by the department	No. of. deligates attended.	PERIOD From	To	No. of teachers attended outside the University.
FRENCH.	"Latest trends in Teaching skills in French as a foreign language".	50	25-9-87	27-9-87	30

VI Foreign student :

Name	Nationality	Place of birth.
Julien Nittia Alexandre (M) M.A., French II year.	FRENCH.	DJIBOUTI (C. F. S.).

VII P.G. students residing in the hostels :

1. Julien Nittia Alexandre (M) : II year M.A,, French.
2. Theresa Mary Sebastion (F) I. year M.A. French.

DEPARTMENT OF MALAYALAM

I. Staff :

Prof & Head	:	Dr. C.J. ROY.
Reader	:	Dr. M. Sivadasao, M.A., (Mala) M.A., (Eng.) Ph. D.,
Lecturers		1. Dr. K. V. Kanakamma, M.A., Ph. D.,
		2. Thiru M. Sanalkumar, M.A., M. Phil.,
		3. Tmty K. Sreekumari, M.A., M. Phil.

II Research activities :

Dr. C J Roy

a) *Research work published during the year :*

1. Marthandavarma - A Case study on creativity.
   Creative writing: - Gandhigram Deemed University, 1987.
2. Pathummayute Aatu - Bhashaa Pashini, Kottayam.

b) *Research work under print :*

1. Preemame nin peru kettal petiyakum;
   Bhashaposhini - Kottayam.

c) *Research work under progress :*

Inter Relationship between Tamil and Malayalam.

Dr. M. Sivadasan.

Research work under progress :

1. Social background in Malayam poetry
2. Language and tradition of Malayalam speaking people in Kanyakumari District.

Dr, K. V. Kanakamma :

a) *Research work under progress :*

Texual criticism of Ramacaritham.

Thiru M. Sanal Kumar :

b) *Research work under progress :*

Historical Elements In the Novels of C.V. Raman Pillai.

Tmty K. Sreekumari :

c) *Research work under progress :*
"Nouns in Malayalam"

III. Research Scholars :

	Name of the Scholar	Name of the Supervisor	Degree for which Regd	Topic of Research	Whether Thesis submitted	Whether declared for the degree
1	Fr. K. O. Workey	Dr. C J. Roy	Ph.D.	Linguistique Analysis of Liturgy in Malayalam	Submitted	
2	P. Nalini Kumari	-do-	-do-	Lyrics of Vayalar Ramavarma and Kannadasan.	To be Submitted	—
3	M.G. Ajaya Ghosh	-do-	-do-	Literary Techniques in the Novels of Uroob.	—	—
4	C. L. Pramela	-do-	-do-	Concept of women in the Novels of Thakazhi.	—	—
5	K. Radhakrishna Variyar	-do-	-do-	Nature in the poems P. Kunhiraman Nair		

IV. Courses conducted in the department :

M A. — Malayalam
M.Phil. — ,,
Certificate Course in Malayalam.

V. M.Phil. / P.G. / Ph.D., / Students Residing in the Hostels :

	Men	Women	Total
M.Phil , / Ph D.	5	4	9
P.G Ist Year	5	3	8
IInd Year	2	1	3
No. of SC Students Residing in the Hostel	3	—	3

VI. Seminars attended by the Teachers:

Dr. M.Sivadasan attended a Seminar held at the Central University, Pondicherry on 14-10-1987 and presented a paper on "The impact of Pandit Nehru on Malayalam Poetry". He also attended a Conference on training and development held at New Delhi from 18th to 21st November 1987.

DEPARTMENT OF SANSKRIT

I Staff :

Reader and the Head of the Department : Dr. G. Sundaramoorthy, M.A., Ph.D.

Reader :

Dr. P. K. Sasidharan, M.A , Ph.D.,D.Litt.

Lecturer :

Dr. L. Veeraraghavan, Siromani, Vidya Varidhi.

II. Research Activities :

Dr G. Sundaramoorthy

a) Research works under progress :

i. A study of ARUNOPNISAD.

ii. A study of the twelve invocatory verses of the Vamakesvari Tantra

iii. A comparative study of SAUNDARYALAHARI and its Tamil adaptations

b) Extra-curricular activities :

Delivering lectures on Indian Culture with special emphasis on National Integration.

Dr. P. K. Sasidharan

Research works under progress :

1. Metaphysics in Advaita Vedanta with spl. ref. to Vivekacudamani.
2. Translation of Sri Narayana Guru's works into English

Dr. L. Veeraraghavan

a) Research works published during the year :

1. Srinivasa in Nachiyar Thirumozhi.
2. Vedanta Desika's contribution to Tamil Literature.
3. Two systems of Indian Logic.

(b) ***Research works under progress*** :

Individual Research Project - 'A study of Puja Rituals in some significant Sri Vaishnava Temples in Tamilnadu and Andhra Pradesh.

III. **Research Scholars** :

Name of the Scholor	Name of the Supervisor	Degree for which regd.	Topic of research	Works publi-shed	Whether thesis sumitted	Whether declared for the degree
Mrs. Vanaja-Kulkarni	Dr. G. Sundara-moorthy	Ph.D.	A critical study of Haradatta Sivacarya's Srutisuktimala with the commentary of Sivalinga Bhupati.	Nil	Thesis is in completion stage	Nil
S. Natarajan (teacher candidate)	,,	,,	A comparative study of Thiruvilaiyadal Puranas and Siva Lilanava	Nil	Nil	Nil
B. Chandrika (teacher candidate)	Dr. P. K. Sasidharan	,,	A study of Atmabodha with Visvesvara pandita's commentary.	Nil	Nil	Nil

IV. **Courses conducted in the department** :

M. Phil in Sanskrit
Certificate and Diploma
Courses in Sanskrit.

V. Conferences, Seminars etc., attended by the Teachers during the year

Name of the teacher	Name of the Conf. / Seminar	Duration	Topic
Dr G. Sundara-Moorthi	Thursday Seminar, Tamil Dept.,	12-3-87	Expressed meaning and the suggested meaning.
	Gandhigram deemed University	14-3-87	The Early Sanskrit Translations and promotion of the concept of the study of comparative literature.
	Tamil University, Thanjavur.	20-3-87	Comparative Literature.
	Bharathiyar Univ. Coimbatore.	26-3-87	A Survey of Sanskrit Literature.
Dr. L. Veera-raghavan	1. Editors' Meeting at T.M.S.S.M., Library, Thanjavur. 2. 'WHO IS WHO' in Sanskrit, Rashtriya Sanskrit Samsthan, New Delhi.		

DEPARTMENT OF KANNADA

I. Staff :

Professor & Head of the Dept. : Dr. P.S. Srinivasa, M.A.. Ph.D , Cert. in Tamil

Reader

Dr. P.V. Kulkarni, M.A., Ph.D.

Lecturer

Dr. B. Harikrishna Bhat, M.A., Ph.D.

II Research Activities :

Dr. P.S. Srinivasa,

a) Research works published during the year :

1. Sahitya Kaveri — A Collection of papers in Kannada on Comparative Literature (Tamil & Kannada) —Pub : Kuvempu Adhyayana Samsthe, Bangalore. 1987
2. Shaiva Mystic saints of Tamilnadu - Pub. in Virashaiva Samanvaya - a literary journal Bangalore—May 1987.

b) Research Works under print :

1. Tiruvalluvar — Translation of a monograph on Tiruvalluvar by Justice S. Maharajan assigned by Central Sahitya Akademi, New Delhi.
2. Jnanaratha — Kannada translation of Jnanaratham by Mahakavi Subrahmanya Bharathiar
3. Write up on Ten Kannada writers to be published in Encyclopaedia of World Literature — Pub. by The State Institute of Encyclopaedic publications - Trivandrum, Kerala.
4. Alwars of Tamil Sri Vaishnavism : A felicitation volume to be presented to Prof. H. Tipperudra Swamy on the occasion of his 60th Birthday celebrations.

C) Research works under progress :

1. Compilation of Tamil-Kannada Dictionary - preparation of Press copy is in progress, with the assistance of Dr. P.V. Kulkarni and Dr. B. Harikrishna Bhat.

2. Tamil translation of Vachanas of Shiva Sharanas with the assistance of Dr. G. Sundaramurthy, Head of the Dept. of Sanskrit.

d) Extra-Curricular activities :

1. Elected President - Karnataka Sangha, Madurai. 1987.

2. Dr. P.S Srinivasa was interviewed by the Kannada weekly - Prajamata - on the occasion of Thirty Second Kannada rajyotsava celebrations in Nov. 1987 and published it in the issue Nov. 8 1987.

Dr P.V. Kulkarni

a) Research works published during the year :

1. Tamilu Virashaiva Sahityadalli mata tatva nirupane - Religious rituals as revealed in virashaiva Literature in Tamil - Pub. in Virashaiva Samanvaya - B' lore-Apl.'87.

2. Tamilu prabhu linga Leele - Pub. in Virashaiva Samanvaya Bangalore June 1987.

b) Research works under print :

1. Vanjanai Vadiva Madavar puranam - Sliver Jubilee Commemoration Volume, Shiva Samaja Sangha, Mulki (D.K.)

c) Research works under progress :

Masti and Pudumaipittan - A Comparative Study - University Individual Project

d) Extra Curricular Activities :

1. Namaskara - an article published in 'Kasturi' - Kannada monthly — May 1987.

2. Published two poems : Ivaru nammavaru in Vikrama, Vijaya dashami special oct. 1987.
   Muttinaguttu - in Lahari Nov. 1987.

Dr B. Harikrishna Bhat

a) *Research works published during the year :*

1. Adhunika Telugu Kavite - Co author Dr S Jayaprakash pub : Karnataka Bharati - Karnataka University, Dharwad.
2. Published 10 book-reviews in Granthloka-Mysore, 1987.

b) *Research works under print .*

1. Hosagannada Sahityada ugama mattu vikasa (1860-1920) —Ph D. thesis - Pub : Usha Sahitya Male, Mysore.

c) *Research works under progress :*

1. A Study of Travelogues in Kannada Literature
2. A critical study of Novels in Telugu - with Dr. S. Jayayrakash.

d) *Extra-Curricular Activities :*

Published Three poems i) Navu Kavigalu - Lahari Nov. 87

ii) Nalvattara Swatantrya }
iii) Trishankuvina Swagata } Vikrama Vijayadashami Spl. Number Oct. 1987.

III. **Research Scholars :**

Name of the Scholar	Name of the Supervisor	Degree for which regd.	Topic of research	Works Published	Whether thesis shbmitted	Whether declared for the degree
1. P.K. Srikrishna Bhat	Dr P S. Srinivasa	Ph.D.	Bakti as revealed in Kumara Vyasa (Kannada Poet) and Tunjattu ezutachan (Malayalam poet)		under preparation	—
2. B.V. Sathyanarayana Bhat	Dr. P.S. Srinivasa	Ph.D.	Regionality in Kannada Novels	—	—	—

B.V. Sathyanarayana Bhat has attended a UGC work-shop on Research Methodology - Conducted by Dept. of Kannada, Mangalore & Bombay Universities at Mangalore from 26 Nov. 87 to 29 Nov. 87.

IV. Course Conducted in the department :

M.Phil - Kannada

Certificate and Diploma courses in Kannada

V. Conference, Seminars etc., attended by the teachers during the year :

Name of the teacher	Name of the Conference/Seminar attended and the place where held	Duration of the Conference	Topic of papers
1. Dr. P.S. Srinivasa	A Work-shop on South Indian Short Stories - Organised by Directorate of Kannada and Culture, Government of Karnataka at Mysore.	March 2 to 12 1987 (10 days)	Translated Four Short Stories from Tamil to Kannada.
2. Dr. P.V. Kulkarni	1. A Seminar on 'Post Madhva Period Philosophy' conducted by Dvaita vedanta Research Foundation at Udupi	May 25-30, 1987 (6 days)	Sripadarajas contribution to dasa literature
	2. A workshop on Research Methodology a U.G.C. work-shop organised by Dept. of Kannada, Mangalore and Bombay Universities at Mangalore	Nov. 26-29. 1987 (4 days)	

VI. Ph.D. students residing in the hostels :

	Men	Women	Total
Ph.D.	1	—	1

VII. Other general information :

Dr. P.S. Srinivasa gave two special lectures to Telugu M.Phil. Students on the topic : Bhakti movement in Kannada Literature,

DEPARTMENT OF TELUGU

I. **Staff** :

Professor & Head of the Department ;

Dr. C.R. Sarma, M.A., M.Litt., Ph.D.

Reader:

Dr. T.S. Giriprakash, M.A., Ph.D. P.G. Dip. in Linguistics

Lecturer:

Dr. S. Jayaprakash, M.A., Ph.D. Dip. in Adult Edu & Tamil

II. **Research Activities** :

Dr. C R. Sarma

a) *Research works published during the year* :

1. Sisters under a single roof (Comparative study of South Indian literatures), Golden Jubilee Celebrations, Souvenir, Department of Telugu, Madras University.
2. Ramayana paatralaku Ramaneeya mandiralu (Andhar Patrika)
3. Raajakeeyaalanunchi Kavitva vishayaalu, (Andhra Prabha weekly)
4. Garimella Vyaasaalu (Andhra Prabha)
5. Thyagaraja Keertanala Vaisishtyam (Andhra Jyothi).
6. Contributed an article on Telugu-Tamil to an Encyclopaedia in Hindi, AP. Hindi Academy.
7. Contributed some articles on Telugu Poets to a Malayalam Encyclopaedia.

b) *Research works under print* :

1. Tirukkural (Translation in Telugu verse)
2. Tamizh Ilakkiyam chollum Kathaigal (Tr. from Tamil)
3. Garimella Saahityam (Criticism)

c) Research under works progress :

1. The Ramayana at home and abroad (in Telugu)

d) Extra curricular activities:

1) Published the following books
   a) Anthaa Okkate (Stories of Gandhiji)
   b) Nammalwar (Tr.)
   c) published poems & stories.
2) Member, Boards of Studies in Telugu, Bangalore & Gulbarga Universities.
3) Editor Bharata Bharati, a Telugu Encyclopaedia, Telugu University
4) Member, Selection Committee (Telugu) for Modern India Literature Sakitya Akademi project
5) Broadcost a talk in Tamil on Viswanatha Satyanarayana AIR Madura

Dr. T. S. Giriprakash

a) Research works published during the year:

Book

1. Telungu Ilakkiya Varalaaru (History of Telungu Literature in Tamil. Co-authored with Thiru P Anandakumar.

Articlss

1. 'GOD' in Telugu Literature - Published by NAOS, the bulletin of the Names of the Sacred Project Vol. 3. No 2 (Spring) Summer 1987) University of Pittsburgh, USA.

2 Ekavira
3. Enugu Viraswamayya
4. Ōleṭi Pārvatism
5. Etukuru Balaramamurthi

(2–5) Published in Encyclopaedia of World Literature, Trivandrum

b) Research works under print:

1. Skills of teaching writing Telugu — Central Institute of Indian Languages, Manasagangotri, Mysore
2. Four entries – Encyclopaedia of world Literature, Trivandrum

c) Research works under progress:

1. Writing a book on Comparative Literature in Telugu
2. Writing a book on Comparative Study of Gurajada Venkata Appa Rao and Subrahmanya Bharati in English

d) Extra-Curricular Activities:

1. Life-Member – Indian National Comparative Literature Association, Calcutta.
2. Vice-President – Applied Linguistics Forum, Madurai

Dr. S Jayaprakash

a) Research papers published:

1. "Uplift of Women - Literary aspect" - by the Department of Historical Studies, Mother Teresa Women's University, Kodaikanal, 1987.
2. Adhunika Telugu Kavita (ondu Samiksa) – Karnataka Bharati, monthly literary, journal Karnataka University, Dharwad, May 1987.
3. Akkiraju Umakantam
4. Acca Telugu Ramayanam
5. Adavi Bapiraju
6. Adidam Surakavi
7. Akkiraju Ramapati Rao
8. Ananda Raman
9. Andhra Saraswata Parishad – by the State Institute of Encyclopaedia Publications, Trivandrum

b) Research works under progress:

Saint Ramalingar - a biography.

III Research Scholars :

	Name of the Scholar	Name of the Supervisor	Degree for which registered	Topic of research	Works pub-lished	Whether thesis sub-mitted	Whether declared for the degree
1.	Tmt. Dr. M. Satyavathi (Post Doctoral Research)	Dr. C.R Sarma (Second Guide)	Post-Doctoral Research	Influence of Gandhiji on Problems of women As Depicted in Telugu	Nil ,,	Nil ,,	Nil ,,
2.	Tmt. B. Bharathi	Dr. C.R Sarma	Ph.D,	Humanistic Outlook in Gurujada	,,	,,	,,
3.	Thiru Pon. Vijayakumar	Dr. T.S. Giriprakash	Ph.D.	A Comparative Study of Sataka Literature in Tamil & Telugu	,,	,,	,,
4.	Thiru P. Anandakumar	Dr. T.S. Giri-Prakash (Second Guide)	Ph D.	Romanticism in Bharathi, Gurajada and Asan	,,	,,	,,
5.	Thiru M. Sampathkumar	Dr. C.R. Sarma	Ph.D.	A Descriptive Grammar of Yerukala	,,	,,	,,
6.	Thiru Vema narayana Reddy	Dr. C.R. Sarma	M.Phil.	Urban Life as Depited in Modern Telugu Poetry.	Nil	Submitted	,,

7. Each Staff Member will guide THREE M. Phil. Students.

IV Courses Conducted in the department :

M. Phil — Telugu
Certificate and Diploma Courses in Telugu.

V Major Research Prjoects in the Department :

	Principal / Investigator	Name of the Project	Commencement of the Proj.	Duration of the Project	Name of the J. R. F.
1.	Dr. C. R. Sarma	A study of Telugu Language, Folk Songs etc., in Madurai & Ramanad Districts, UG.C. Project	January 1987	Two years	M. Sampathkumar
2.	Dr. T.S. Giri-prakash	Translation of Thyagaraja Kruties From Telugu to Tamil and Malayalam-U.G.C. Project	August 1986	Two years	Pon. Vijayakumar
3.	—do—	A Study of Telugu Inscriptions in and around Madurai District	April 1987	Two years	University Individual Besearch Project
4.	Dr. S. Jaya-prakash	A Socio linguistic & cultural study of Folk culture of chencus of Rayalaseema	April 1987	Two Years	University Individual Research Project.

VI. **Conferences, Seminars etc., attended by the teachers during the year**

Name of the teacher	Name of the Conference / Seminar attended and the place where held	Duration of the Conference	Topic of papers presented
Dr C R. Sarma	1. Orientation Course for M.Phil, Department of Tamil Bharathiar University, Coimbatore	—	Presented a paper on the History of Telugu Literature
	2. Pondicherry Central University UGC Seminar on the Impact of Nehru on Indian Literatures	—	Presented a paper on the Impact of Nehru on Telugu Poetry (chaired 1 session.)
	3 UGC Seminar on Modern Trends in Poetry - S V. University, Tirupati	—	Presented a paper on Bhaava Kavita Jaateeyodyamamu
Dr T S. Giri-prakash	1. Congress of Comparative Literature Dept. of English, Jamia - Millia Islamia, New Delhi-25	2-1 87 to 4-1-87	Presented a paper on "Impact of Gandhi on Telugu Literature"
	2. Special Lecture at Rajapalayam	27-2-1987	A Comparative Study of Gurajada & Bharathi
	3. Book releasing function at Rajapalayam	30-3-87	Presided and released the book 'Nāncaru Parinyaamu"
	4. Dept. of Tamil, M. K. University	9-4 84	'Chitrakavitram in Dravidian Languages
	5. Caturguṇita Samskruta - Andhra Ashtaavadhānam, Nellore, A.P.	19-6-87	Presided over the function

1	2	3	4
Dr. T. S. Giriprakash	6. International Seminar on South Indian contribution to Indian Philosophy, Trivandrum	19-11-87 to 21-11-87	Presented a paper on Pothana-Andhrama-habhagavatham
Dr S. Jayaprakash			
1. UGC Seminar on Kandukuri Viresalingam's life & works at Rajahmundry (AP)			Presented a paper on Viresalingam's influence on his contemporaries.

VII. **M.Phil. students residing in the hostels.**

	Men	Women	Total
M.Phil	4	5	9

VIII. **Other general information** :

ii) Dr. C R. Sarma was awarded a prize for his book *Tamila Vindu* by Tamil University, Thanjavur.

iil) A Bi-lingual Dictionary (Tamil-Telugu) is being prepared

v) A book entitled *An Intensive Course in Telugu* is under preparation by Dr. T.S. Giriprakash & Dr. S. Jayaprakash.

DEPARTMENT OF EDUCATION

I. Staff :

Reader and-in-charge: Dr. G. Subramonia Pillai, M.A., M.Ed., Ph.D.

Reader :

Dr. P. N. Muthiah, M.A., M.Ed., Ph.D.

Lecturer :

Dr. K. Krishnan, M.A , M. Ed., Ph.D.

II. Research Activities :

Dr. G. Subramonia Pillai

a[Research work Published : Papers Presented :

i - Reservation on Policy and its Effects at NCERT's 5 day course for Teacher Educators conducted at Sri Ramakrishna Mission Vidyalaya Teachers College, Coimbatore on 19th February 1987.

ii - Development of courses for Education. Paper sent to the semiar. - conducted by Bharathiyar University in collaboration with CIIL, Mysore.

iii - Policy Implications in Research Studies - Recommendations given on the Dissemination of Research Findings published in July-October issue of the ICSSR News Letter.

iv - Book Review - Finances, Costs, and Productivity of Higher Education by K.S. Chalam - Inter India Publications - in Review Projector in India.

v - Edited the Monograph on Modern Technology and Higher Education - consisting of 20 papers - September 1987.

vi - The status of Indian Educational T.V. Progromme - Paper presented at the 20th India Association for Educational Technology held at Udang, Howrah during 26-28th December 1987.

vii - A Nation at Risk - Tamil Translation of the Prospects Article - Department of Education, Madurai Kamaraj University.

viii - Need for Media Education Paper presented in the One day Seminar on Modern Technology and Higher Education.

ix - Increasing Self Confidence - Paper persented in the Two Day Training Programme / on Developing Interview Facing Skill on 21st and 22nd December 1987.

x - Nature of Variable and relevant statistics in Research in Education (Inter - Disciplinary Approach), Publication Division, Madurai Kamaraj University, 1987.

b) Research in Progress :

Access to Calculators and Basic Computation Skills.

c) Research work Completed:

1. Educational Television - An Assessment.
2. Autonomy in Lady Doak College - A cass study - in collaboration with National Institute of Educational Planning and administration, New Delhi.

d) Research work Under Print :

The place of Ethics in History and Geography Teaching in Tamil Nadu with S. Dhanasekaran, Experiments in Education.

e) Organisation of Seminar / Workshop etc.

- Organised a Two day Workshop on Educational Technology for Higher Secondary Teachers between 16th and 17th February 1987 at the Department of Educatian.

- Organised a One Day Seminar on Modern Technology and Higher Education on 7th September 1987 in the Department of Education, Madurai Kamaraj Uniuersity.

- Organised Two day Training programme on Developing Interview Facing Skill to the Post - Graduate Students of Madurai Kamaraj University on 21st and 22nd December, 1987.

- Acted as Resource Person in the NCERT 5 day course for Teacher Education conducted at Sri Ramakrishna Misson Vidyalaya Teachers College, Coimbatore in February 1987.

- Acted as Resource Person at NCERT's Orientation Programme 'Teacher and Education in the Emerging Indian Society held at Annamalai University in November 1987.

f) Seminars Attended:

Attended a seminar on Consumer Services in Telecommunication on 22/8/87 conducted by IIPA, Madurai.

Attended a seminar on Civic Amenities in Madurai City on 20-12-87 conducted IIPA, Madurai.

Attended the 20th Annual conference of the All India Association for Educational Technology held at Udang, Howrah during 26-28th December 1987.

Dr. P. N. Muthiah

a) Research work under Progress :

Constructed the following tools for ICSSR Research Project.

1. Vocational interest scale for visually Handicapped.
2. Vocational interest scale for Speech and Hearing impaired.
3. Vocational interest scale for Orthopaedilly Handicapped.
4. A Check list.
5. An interview schedule.

b) Extra-Curricular activities:

Delivered Guest Lectures on Psychology in Sri Parasakthi College for Women, Courtallam.

c) Seminars attenced:

Resource person Workshop in Educational Technology (16/2/87 and 17/2/87)

Participant : Seminar on Central Educational Tribunal Decentralisation of Adminstration of justice in centres of Higher Education (18/4/87).

— Resource person : Workshop on instructional Technology at Ayya Nadar Janaki Ammal College (Autonomous) at Sivakasi (19/11/87 and 20/11/87.

— Acted as a Resource person in the Training Programme on "Developing Interview Facing Skill" conducted in the Department of Education, Madurai Kamaraj Universisy,

— Participated in the Orientation course for IAS coaching held in Madurai Kamaraj University on 19th December 1987.

Dr. K. Krishnan

a) *Research works published during the year* :

i) "Biology Curricula : Consistency and Continuity", ***Curriculam Bulletin***, Vol. VII, No. 2. PP 6-14. published in June 1987 (Co-author : P.F. Jothi).

ii) "Co-ordination between Chemistry and Mathematics, Physics and Biology Curricula", *Journal of Educational Research and Extension*, vol. 23, No. 2, pp 75-85 published in April 1987 (Co-author : G.J. Reddy).

iii) "Relationship between Biology and Mathematics, Physics, Chemistry and Geography Curricula", *Experiments in Education,* vol. V No. 1 January 1987, PP. 8-16 (Co-author : P.F. Jothi).

iv) "Chemistry Curricula : Consistency and Continuity," *The Educational Review,* Vol. XCIII - No. 2, February 1987, PP 23-27 (Co-author : G.J. Reddy).

v) "Navodaya Vidyala for Equalization of Educational opportunities", *The Education Quenterly,* vol. XXXIX, No. 1, Spring 1987, PP 28-30.

vi) "Assessment of Mathematics, History and Geography Programmes in terms of Commerce learning", *Journal of the College of Education, Karnatak University,* Dharwar, Vol. XIV, No. 1 & 2, March 1987, PP 23-28 (Co-author K. Nirmala, M. Muruganandam and A. Ramakrishnan)

vii "A case for criterion Reference Tests", *The Educational Review,* vol XCIII - No. 4, April 1987, PP. 74-75.

viii) "Assessment of Geography and Mathematics Curricula in terms of History Learning", *Curriculum Bulletin,* vol. VIII, No. 1. June 1987. PP. 31-40 (Co-authors : N. Nirmala and A. Ramakrishnan).

ix) "Assessment. of Mathematics, History and Geography Programmes in terms of Sociology Learning', *The Educational Review*, vol. XCIII-No. 9, September 1987, PP. 54-57 (Co-author : K. Nirmala).

x) "Relationship between Psychology and Science Curricula", *Asian Journal of Psychology and Education* 1 vol. 17. No.4 Nov. 1985 PP. 29-31 published in December 1987 (Co-author : M.S.M. Ibrahim).

b) *Research work under print* :

i) "Assessment of Mathematics, History and Geography Programme terms of Political Science Learning", *Education Herald* (Co-authors : K. Nirmala, A. Ramakrishnan and M. Muruganandam).

ii) "Co-ordination among School Mathematics, Physics, Chemistry, Biology, History. Geography, Political Science. Economics, Commerce and Psychology Curricula", *Curriculum Bulletin.*

iii) "Curriculum Evaluation", *Readings In Curriculum*. NCERT, New Delhi.

iv) "Action Research for Value Development among Students". *Journal of the College of Education, Katnataka University*, Dharwar.

c) *Research work under progress* :

"Higher Secondary Vocational Course Passholders : A Follow-up study". Acted as a Resource person in the Workshop on "Education Technology" held in the Department of Education on 16th and 17th February, 1987.

Acted as a Resoure person in the Woorkshop on 'Developing Instructional Objectives in Various Subjects" held at Ayya Nadar Janaki Ammal College, (Autonomous), Sivakasi, on 19th and 20th November 1987. Participated in the 'Orientation course for IAS couching' held at Madurai Kamaraj University on 19th December 1987.

Acted as a Resource person in the Training Programme in Developing Interview Facing Skill" held at Madurai Kamaraj University, Dept. of Education on 21st and 22nd December 1987.

d) *Conferences/Seminars attended*:

Participated in National Seminar on "Futurology" held at Madurai Kamaraj University on 25th and 26th March 1987.

Participated and presented a paper on "Contribution of Technology towards the Enrichment of Research in Humanities and Social Sciences" in the Departmental Seminar on "Modern Technology and Higher Education" on 7th September, 1987

Participated and presented a paper on "Fairy Tales : An Educational Medium" in the Symposium on Fairy Tales as Ciphers of Cultural Concepts" held at Madurai Kamaraj University on 12th, 13th and 14th November 1987.

III Research Scholars :

Name of the Scholar	Name of the Supervisor	Degree for which Regd.	Whether thesis submitted	Whether declared for the degree.
1. Mr. S. Dhanasekaran	Dr. G. Subramonia Pillai	Ph.D.	Not yet	—

Topic of Research : Relevancy of the course on Audio-Visuals for B.Ed. Programme to present day Educational Technology requirements.

Name of the Scholar	Name of the Supervisor	Degree for which Regd.	Whether thesis submitted	Whether declared for the degree.
2. Mr. P. Natarajan	Dr. G. Subramonia Pillai	Ph.D.	Not yet	—

Topic of Research : Development of Tribal Education in Nilgiris.

IV Courses conducted in the department, M.Phil. Education,

V Details of seminars, etc, conducted in the department :

Name of the Dept.	Seminar/Conference conducted by the Dept.	No. of delegates attended	Period From To	No. of teachers attended from outside the University
Dept of Education	1. Two day workshop on Educational Technology	50	16th and 17th Feb. 1987	—
	2. One day seminar on Modern Technology and Higher Education	50	7th Sept. 1987	—

1		2	3	4	5
Dept. of Education	3.	Two days Training Programme on Developing Interview Facing Skill	40	21st and 22nd Dec. 1987	–

VI M.Phil./Ph.D. students residing in the hostel :

	Men	Women	Total
M.Phil.	3	2	5
Ph.D.	1	–	1

No. of SC students residing in the hostel : 2

DEPARTMENT OF COMMERCE

I, **Staff** :

Professor and Head : Dr N. Thanulingom, M Com., Ph.D ,
Professor. K.K. Ananthapadmanabha Rao, M.Com., Ph. D.,

Reader :

Dr. V. Alagappan, M.Com., Ph.D.

Lecturer

Thiru V. Chinniah, M.C.m., M.Phil.,

II **Research Activities :**

1) Dr. N. Thanulingom
Four Ph.D. theses are under progress.

2) Dr. K.K. Ananthapadmanaba Rao
– Produced Seven Ph.D.
– One Candidate has submitted.

3) Dr. V. Alagappan,
One candidate under his supervision was awarded Ph.D.
One candidate has submitted his Ph D. under his supervision for evaluation.

III. **Research Scholar** :

1.	Name of Scholar	S. Uma
2.	Name of the Supervisor	Dr. N. Thanlingom,
3.	Degree for which registered	Ph.D.
4.	Topic of Research	"Working Capital Management in State Road Transport undertakings in Tamil Nadu"
5.	Works Published	1. Operational Efficiency of Co-operative Spinning Mills in Tamil Nadu -Accepted in All India Co-operative Review. 2. Operational Efficiency of State Transport undertakings in Tamilnadu.

-Accepted in Commerce and Management

3. Cash management in State Transport Undertakings a case Study of TTC -in print Southern Economist

6. Whether thesis submitted 1½ Years only compleed

IV. Details of seminars, Orientation Course, Summer Institutes and conferences conducted by the Department during the Calendar year.
Fifteen Days Orientation Course on Quantitative Methods Applicable to Business from 1-2-1988 to 15-2-1988. Thirty seven participants from various Universities and Colleges participated in the Course.

V. M.Phil/P.G. students residing in the hostels

	Men	*Women*	*Total*
M.Phil	–	1	1
M.Com. I Year	10	3	13
M.Com. II Year		3	3

DEPARTMENT OF MANAGEMENT STUDIES

I. Staff :

Professor and Head of the Department — Dr. G.P. Rao, M.A., PGDM., (IIMC) D. Phil.

Readers :

1. Dr. U. Surya Rao, M.B.A., Ph.D ,
2. Mr. R. Jayaraman, M.Sc,, M.B.A.,
3. Dr. K. Kathiresan. M.A., M.Com. M.B.A., Ph.D.,
4. Dr. S.V. Vidyanandam, B.E., M.B.A.,
5. Mr. M. Srinivasan, M. Tech., PGD, PIE. (Plant & Industrial Engineering

Lecturers :

1. Mr. B. Hariharanathan, M.A., PG. Dip. in Management Studies.,
2. Mr. R. Varadharajan, B.E., M.B.A.,

Research Associates

1. Miss S. Kanthi, M.B A.
2. Mr. C. Lakshmi Narayana Pillai, M.Com., M.B.A.,

II Research Activities :

Dr. G. P. Rao

a) *Addressed / delivered at the following organisations* :

Place audience	Topic	Date
Gandhigram Rural institute, Gandhigram.	delivered the Valedictory address for the ICSSR sponsored course on Research methods	March 24, '87

1	2	3	4
To the sales managers & Sales supervisors of Srichakra Tyres Ltd.		'Inter - personal Effectiveness'	July 24 & 28 '87
Rotary club of Madurai		'Management Education in India : Certain issues'.	Nov. 17, 1987

b) External Academic Involvement / Educational Administration :

Guest faculty Training Programmes

1. Co-operative Training College, Pasumalai, Madurai
2. ISTD chapter Sahupuram & NIPM Madurai chapter

   Guest faculty for the Non-Residental programme on 'Performance Appraisal'

c) Profsssional Activities : *Membership / office bearer etc.,*

1. Member
   - a) Madurai Management Association, Madurai
   - b) Calcutta Management Association, Calcutta.
   - c) Indian Society for Training and Development, Madras chapter.
2. Office Bearer :
   - a) Member, National Council, Indian Association for Management Development, New Delhi.
   - b) Vice-President, Madurai Management Association

Dr U Surya Rao

a) Research works published during the year :

Two research papers were published in the year, 1987,

b) Research works under progress :

The papers presented in the workshop 'Value orientation in Management Education are under process for publication.

c) Extra curricular activities :

i) guiding Two part time scholars for Ph.D. Degree.

ii) Guest faculty for Thiagarajar School of Management, Madurai and Department of Management Engineering, Regional Engineering College, Trichy.

d) Professional activities :

a) Member, All India Society for Labour Economics,

b) Member, National Institute for personnel Management Visakh Branch, Visakhapatnam.

c) Member. All India Commerce Association.

Thiru R. Jayaraman

a) Research works :

i) Submitted his Ph.D. Thesis - 'A study of Marketing Practices in Pharmaceutical Industry with special reference to SSI units in Tamilnadu' in April, 1987.

iii) Presented one paper in 'Value Orientation in Management Education' - workshop in Feb. 1987.

b) Other activities :

i) Co-ordinator – MBA for Defence Service Officers.

ii) Co-ordinator – One day Seminar on "Student - Aluminus-Industry - Interface in Management" during Oct. 1987.

c) Professional activities :

i) Associate Member	All India Management Association, New Delhi.
ii) Member	a) Madurai Management Association. b) Indian Marketing Association.
iii) Life Member	Bellavistan, Administrative Staff College of India, Hyderabad.

Dr. K. Kathiresan

a) *Research works published during the year* :

i) Industrial Disputes - A Statistical Analysis, Indian Journal of Industrial Relations, Vol. 22, No. 4, April, 1987.

ii) Problems of child Labour. Business.

iii) Union involvement in Industrial disputes - A case study, Modern Management.

iv) Catalysts of Industrial disputes and Strikes, M.D.U. Journal of Management. Vol. 2, 1987.

v) Perception towards the specific aspects of work situation, Indian Labour Journal, Vol. 28, No. 6, June, 1987.

b) *Research works under progress* :

i) Matching Process - influencers and implications.

ii) Organisational climate in Public and Private Sector undertakings.

iii) Managerial work values in Indian industry.

c) *Extra curricular activities* :

Associate Member, NIPM, Calcutta.

Dr. S.V. Vidhyanandham

Research works under progress :

Role of Financing Institutions in the sickness of medium scale industries.

Thiru M. Srinivasan

Training & Consultancy — Involved in Training Programme for Defence Officers.

III **Courses conducted in the department** :

M.B.A. degree course (Full - time)

P.G. Dip. in Entrepreneurial Development

M.B.A. For Defence officers

IV Details of Seminars, Orientation Course, Summer Institute and conference conducted by the department during the calender year :

	Name of the Department	Seminar/Conference Conducted by the dept.	No. of delegates attended	Period	No. of teachers attended outside the University
1.	Dept. of Management Studies	UGC sponsored National level Workshop on Value orientation in Management Education.	40	Feb. 23-28, 1987	24
	-do-	One day seminar on Student-Alumnus-Industry-Interface in Management	50	24-10-1987	—

V Conference, Seminars etc , atteaded by the teachers during the year :

	Name of the Teacher	Name of the Conference/Seminar Attended and the Place where held	Duration	Topic of papers presented
1.	Dr. G.P. Rao, & Dr. K. Kathiresan	National seminar on Futurology (Towards 21st century) Organised by the University and sponsored by 'The Dept. of Science & Technology, Govt. of India, New Delhi.	25th & 26th March, 1987	'Automation in Industries : Management Plan' (joint paper)

1	2	3	4
2. Dr. G.P. Rao	'Short term foundation course on Research Methods in Social Sciences' sponsored by ICSSR. New Delhi and conducted by The Gandhigram Rural Institute.	27th March, 1987	delivered the valecictory address.
3. Dr. G.P. Rao	Conference of Senior Education Administrators - organised by Indian Institute of Management, Bangalore	4th & 5th April 87.	—
4. Dr. G.P. Rao & Dr K. Kathiresan	One-day Non-residential Programme on 'Performance Appraisal' organised by ISTD, Sahupuram chapter and NIPM, Madurai chapter at Hotel Aryas, Tirunelveli.	1st Nov. 1987	Both served as Faculty (Lecture cum workshop method)
5. Dr. G.P. Rao	Workshop on Faculty Improvement Programme on "Organised Behaviour" (addressed on 27th Jan'87)	27-30, Jan. 87	Acted as a Resource person The themes of workshop method) 1. Maternalistic Management 2. Manager as Karma Yogi 3. Interpersonal Effectiveness 4. The collective isolates' in Management Education.

VI List of Foreign Student:

1. One men candidate from KENYA, doing I Year MBA.

VII Students residing in the hostels:

	Men	Women	Total
M.B.A. I Year :	18	2	20
M.B.A II Year :	19	1	20

VIII Sports Activities:

The department has organised the sports 'MANAGIAD '87 during March, 1987.

IX Other general information:

a) Teaching:

The Department, at present, offers three teaching Programmes 1) Two year full-time programme leading to the award of MBA Degree. 2) One year part time programme leading to the award of Post-graduate Diploma in Entrepreneurial Development 3) Three year correspondence-cum-residential programme for retiring, retired, and short-service commissioned officers in defence services leading to the award of MBA for Defence Services officers (commenced from Jan. 1987-calendar year),

b) Research:

Research activities in the department consist of i) Doctoral work by faculty, wherever required; ii) guiding doctoral work of research scholars, teachers, and practitioners, iii) publication of research studies and professional articles.

c) Training:

Training activities in the department include the following:

i) Faculty being invited as faculty, course co-ordinators in the programmes organised by industrial organisations, training centres professional bodies, trade union organisations, and social service organisations.

ii) organisation of Seminars Conferences, Workshops, Symposia and panel discussions in the department. These programmes are financed

either by University Grants Commission, or by the University, and, in certain cases by professional bodies. What, however, gratifies is the complete involvement of the students and practitioners from the region, in all these programmes.

Consultancy:

The department undertakes management consultancy-both at individual and institutional levels.

The UGC has recently recognised the MBA programme offered by the department, and has approved it for financial assistance.

As part of the course requirements for the MBA for Defence Service officers, the first residential programme for the first batch of participants was held from December 1st - 31st 1987. The programme was inaugurated on December 1st, 1987 by Dr. S. Krishnaswamy, Vice - Chancellor of the University, Group Captain M.M. Saigal. Director (Training . Directorate General Resettlement,. Ministry of Defence, New Delhi represented the Directorate and Mr. Alex Evans, Managing Director, Fenner (India) Ltd., Madurai presided.

The extension / special lectures were delivered by among others, Dr. M.T. Thiagarajan, Dean, School of Management Central University, Pondicherry, Field Marshal SHFJ Manekshaw, PVSM, MVC, Coonnoor, Mr. V. Karthikeyan, I.A.S., (Retd.), Former Chief Secretary, Govt. of Tamilnadu, Hon'ble Chief Justice, V. Ramasamy, Chief Justice, Punjab and Haryana High courts and Mr. C.V. Narasimhan, Former DGP of Police.

The valedictory session was held on December, 31st 1987. The session was presided over by Dr. V. Sp. Manickam, Former Vice-chancellor, Madurai Kamaraj University. Shri L. Narayanan Chettiar Chairman, Sree Visalakshi Mills delivered the valedictory address. Dr. S Krishna swamy, Vice-chancellor was Madurai Kamaraj University, Madurai the Chief Guest. Dr. G.P. Rao, Head of the department welcomed the gathering

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

I. Staff :

Professor and Head : Dr. D. Chandran, Ph.D. (from 19-11-1987)

Reader :

Thiru R. Paul Mohan Roy, M.A., M.Lib.Sc

Lecturer .

Thiru A. Srimurugan, B.A., M.L I.Sc.

Part Time Lecturer :

Thiru S. Subramanian, M. A., M. L. I.Sc. (Senior Technical Asst., I.C.C.& C.E. Library)

II. Teaching & Research Guidance :

a) The number of teaching hours assigned to each staff member per week is given below.

Name	B.L.I.Sc.	M.L.I.Sc.
Dr. D. Chandran	6	6
Thiru R. Paul Mohan Roy	6	6
Thiru A. Srimurugan	6	6
Thiru S. Subramanian	4	4

III. Seminars & conference attended by the teachers :

Thiru R. Paul Mohan Roy presented a paper entitled 'The Place of Bibliography in literary research' in a Refresher Course on Modernization of Indology with special reference to Tamil Studies organised by the Department of Thirukkural Chair from 20th April 1987 to 24th April, 1987.

Dr. D. Chandran delivered lectures on the use of Information at the Biology Department, Madurai Kamaraj University in June, 1987.

Thiru R. Paul Mohan Roy attended Advanced level Institute for Library and Information Science Teachers on Computer Applications in Libraries - a UGC course conducted by the Department of Library and Information Science, Kerala University from May 18 to June 26, 1987.

Dr. D. Chandran attended a seminar on "Linking Higher Education to Employment" organised by the Indian Society for Educationalist at Madras in August, 1987.

Thiru R. Paul Mohan Roy presented a paper entitled "Role of Information Technology in Research" in the seminar on Modern Technology and Higher Education organised by the Department of Education, Madurai Kamaraj University in September 9, 1987.

IV. Courses conducted in the department :

B. L. I. Sc.

M. L. I. Sc.

V. Students residing in the Hostel :

	Men	Women	Total
B. L. I. Sc.	14	5	19
M. L. I. Sc.	3	3	6

VI. Other General Information :

Dr. D. Chandran took up a Project on Computerising the Journal Holdings of the Madurai Kamaraj University Library. The work was completed and the Journal Holdings is available in both the computer readable form as well as in the book form entitled 'Computerised list of Journals Holdings."

The Department is involved in on-line searching with the DIALOG Information Services, U.S.A.

SCHOOL OF MATHEMATICS

I. Staff :

Professors :

1. Dr. K. R. Nagarajan, M.A., M.Sc., Ph D.,
Head of the Department of Applied Mathematics
2. Dr. T. Soundararajan, M.A., M.Sc , Ph.D.,
Head of the Department of Mathematics
3. Dr. M.A. Sundaram, M.A., M.Sc., Ph.D.
4. Dr. R. Raghavendran, B.A. (Hons), M Sc., Ph.D.,
5. Dr S. Janakiraman, M A., M Sc., Ph.D..
6. Dr. T.V.S. Jagannathan, M.Sc., Ph.D..
7. Dr. N. S. Natarajan, M.A., M.Sc., Ph.D.,
8. Dr. T.R. Sundararaman, M.Sc., Ph.D.,
9. Dr. A. Vincent Jeyakumar, M.Sc . Ph.D..

Readers :

1. Dr. P.V. Ramakrishnan, M.Sc.. M.Phil. Ph.D ,
2. Dr Mary Rayar, M.Sc., Ph.D
3. Dr. S. A. Choudum, M.Sc., Ph.D.
4. Dr. V. Karunakaran, M Sc., Ph D.

Lecturers :

1. Thiru V. Jayadharalal, M A.
2 Dr. R. Bhaskaran, M.Sc , Ph D.

II. Research Activities :

a) Papers published during the year :

i) A note on small rings, Acta Math. Hung 49 (3-4) (1987) 381-383, by Dr. Mary Rayar

ii) Analytic functions over valued fields International J. of Math and Math. Sciences 1987 by Dr. R Bhaskaran and V. Karunkaran

iii) Biberbach functions and periodic distributions International J. Math. and Math Sciences by Dr. V. Karunakaran

iv) A characterization of semigroups admitting a unique multiplicative left invariant mean by Dr. P. V. Ramakrishnan

b) Papers accepted / under print :

i) "Characterisation of certain varieties of associative rings" to appear in Indag. Mathematics by Dr. T. R. Sundararaman

ii) "Dirichlet series" to appear in the book "Srinivasa Ramanujan" a tribute, by Dr. T. Sundararajan.

c) Papers completed / Communicated :

i) Ramanujan's theorem on forms $ax^2 + by^2 + cz^2 + du^2$, by Dr. T. Soundararajan

ii) A lemma of Wiener, Tempered distributions and some functions of Ramanujan, Dr. T. Soundararajan

iii) Rings with residual overring property, by Dr. K. R. Nagarajan

iv) "Some equational classes of rings" by Dr. T.R. Sundararaman (Communicated to Algebra Universalis)

v) Skew pure-projective torsion-free groups of rank 2, by Dr S. Janakiraman

vi) Functions associated with Ramanujan's integral formulae for Bernoulli and Euler numbers, by Dr. T.V.S. Jagannathan

vii) Left uniformly continuos functions of Topological semigroups and certain amenability results, by Dr P. V. Ramakrishnan

viii) "Differential subordinations and conformal mappings" by Dr. V. Karunakaran (with S Ponnusamy)

ix) An integral of Ramanujan and the space of rapidly decreasing functions Dr V. Karunakaran and Dr. T. Soundararajan

x) Laplace Transform and boundary value distributions by Dr. Karunakaran

xi) On distributions admitting Laplace Transforms by V. Karunakaran

xii) "On graphic and 3-Hypergraphic sequences" by Dr. S.A. Choudum

xiii) On forcibly connected graphic sequences" by Dr. S.A. Choudum

d) Research work in Progress:

i) Congruences and ternary relations by Dr. T. R. Sundaraman

ii) Group automata and their near - rings by Dr. N. S. Natarajan

iii) Frobenius Kernels for SL_3 (q) by Dr. A. Vincent Jeyakumar

iv) Wyl modules and Principal indecomposable modules for certain Chevelley groups by Dr. A. Vincent Jeyakumar

III. Research Projects :

i) Applied Functional analysis and Optimization theory, UGC major research Project Principal Investigator ; Dr. M. A. Sundaram

ii) Geometric Function Theory - UGC Career Award Scheme to Dr. V. Karunakaran

iii) 'A study of graphs with disjoint matchings" UGC Major Research Project Principal Investigator : Dr. S A. Choudum

IV. Research Scholars :

Sl. No.	Name of the Scholar	Name of Supervisor	Topic
1.	V. Vasudevan (Univ. Stipend)	Dr. A. Vincent Jeyākumar	Algebra
2.	K. Jeyalakshmi (DSA - JRF)	Dr. M.Ā. Sundaram	Optimization theory
3.	M. Lellis Thivagar (Univ. Stipend)	Dr. P. V. Ramakrishnan	Topology
4.	P.B. Sarasija (Univ. Stipend)	Dr. A. Vincent Jeyakumar	Representation theory of groups
5.	A. Vijayan (DSA - JRF)	Dr. V. Karunakāran	Analysis
6.	S. Subbulakshmi (Univ. Stipend)	Dr. V. Karunakaran	Analysis
7.	A. Solairaju (Univ. Stipend)	Dr. T.V.S. Jagannathan	Studies in Projective planes
8.	B. Gayathri (UGC - JRF)	Dr. R. Bhaskaram	Approximation theory over non - archimedian fields
9.	M. Manoharan (DSA - JRF)	Dr. T.R Sundararaman	Universal Algebra

V. Courses conducted in the department:

M.Sc., Mathamatics
M.Phi., Mathamatics
Summer Sequential - M.Phil.

VI. Technical Report on Distribution Theory:

A technical report on Distribution Theory was prepared with contributions from Dr. T. Soundararajan Dr. M.A. Sundaram, Dr. T. V. S. Jagannathan, Dr. V. Karunakaran, Dr P.V. Ramakrishnan and Dr. R. Bhaskaran

This report was the culmination of a seminar on Distribution Theory conducted earlier, and was used as basic material for the summer school in Distribution.

VII. All India Summer Institute on Distribution Theory

An "All India Summer Institute on Distribution Theory" sponsored by the UGC was conducted by the School of Mathematics from 27-4-87 to 16-5-87. The lectures were based on the technical report on "Theory of Distributions" already prepared by six members of the School of Mathematics. There were 42 participants from various parts of the country.

VIII. Conferences, Seminars attended by Teachers / Scholars:

i) The 53rd annual conference of the Indian Mathematical Society held at Gorakhpur from 22nd Dec '87 to 25th Dec '87. was attended by Dr. R. Raghavendran, Dr. S. Janakiraman, and Dr. T V.S. Jagannathan.

ii) The NBHM Symposium on Srinivasa Ramanujan held at Madras from 30th Dec. '87 to 2nd Jan '88 was attended by Dr. K. R. Nagarajan, Dr. T. Soundararajan, Dr. M.A. Sundaram, Dr. R Raghavendran, Dr. S. Janakiraman, Dr. T.R. Sundararaman, Dr V. Karunakaran, Dr P. V. Ramakrishnan, and Dr. A Vincent Jeyakumar.

iii) Ramanujan Methematical Society conference in June 87 held at Anna University, Madras was attended by Dr. V. Karunakaran.

iv) Ramanujan Centenary Conference at Annamalai University in December 1987 was attended by Dr. P.V. Ramakrishnan and Dr. V. Karunakaran.

v) Ramanujan Centenary International Conference at Anna University, Madras in December 1987 was attended by Dr. V. Karunakaran.

vi) Regional Training Programme on some contemporary areas of some applicable mathematics" held at Calcutta in January 87 was attended by Dr. V. Karunakaran and Dr. P.V. Ramakrishnan.

vii) Dr S. A. Choudum attended the XI British Combinatorial Conference held at Goldsmith's College, University of London from 13-7-87 to 17-7-87 and presented a paper.

viii) Dr. K.R. Nagarajan and Dr. T. Soundararajan attended the Ramanujan Centenary Seminar in "Algebra and applications" conducted at Ramanujan Institute, University of Madras during 26th to 31st October 1987 and delivered invited addresses.

IX. DSA in Mathematics :

The School of Mathematics has completed its fourth year as a "Dapartment of Special Assistanc" A technical report on Distributions has been printed and used in Summer School. DSA supported several programmes for Ramanujan Centenary celebrations. A very useful seminar on Laplace transforms was conducted under its auspices A technical report on Algebraic Geometry is planned.

X. Ramanujan Birth Centenary Celebrations :

The year 1987 is the birth centenary year of the Mathematical genius "Srinivasa Ramanujan". The School of Mathematics decided to have a year-long celebrations in his honour.

These activities were inagurated by Prof. D.N. Misra, Adviser (M, CSIR on 4-4-87. At this function on exhibition of memorabilia of Ramanujan was arranged.

The various activities conducted by the School of Mathematics are described below:

i) Ramanujan Centuary Lectures :

Lectures on the works of Ramanujan were given by the following eminent mathematicians :

Prof. S. Raghavan (TIFR) - inagurated this programme.
Prof R. Sivaramakrishnan (Calicut) Prof. M Venkatraman, and
Prof. R. Sitaramachandra Rao (Andhra University).

ii) Ramanujan Centenary Symposium :

A symposium on Ramanujan's works was organised from 5-10-87 to 9-10-87 This symposium was funded by the UGC and was inaugurated by Prof. R.P. Agarwal, Vice-Chancellor University of Rajasthan, Jaipur. It was attended by 41 participants from all over India.

iii) Study Circle :

The School of Mathematics and the Madurai Mathematics Club organized lectures on Ramanujan's works. The lectures were given by Profs. R. Raghavendran, R. Sivaramakrishnan, M. Venkataraman and R. Sitaramachandra Rao.

v) The Centenary Quiz Competition :

The quiz competition was organized for undergraduate students of the Colleges affiliated to Madurai Kamaraj University and 54 colleges participated in the competition. The first two rounds of the quiz compe-tition have been held already. Third and final round is to be conducted in Jan. 88 and prizes will be awarded to the winnners.

v) Essay Competition :

Aa essay competition was conducted for the Post-graduate students of the Colleges affiliated to Madurai Kamaraj University. 30 entries were received and evaluated by outstanding experts from neighbouring Universities. The winners will present their papers at a seminar at the valedictory function to be held in Jan. 88, and they will receive the prizes.

vi) Publication of books :

A book "Development of elliptic functions according to Ramanujan" by Prof. K. Venkatachaliengar is being published as Technical Report under DSA.

Macmillan India Ltd., is bringing out a book "Srinivasa Ramanujan" – a tribute containing articles by various experts and edited by Profs. K.R. Nagarajan and T. Soundarajan.

The Proceedings of the Ramanujan Centenary Symposium is being taken up for publication.

The Collection of talks under the Ramanujan Centenary Lectures series is to be published as a University Publication

XI. **Special Remarks :**

i) Dr. T.V.S. Jagannathan, Dr. N.S. Natarajan, Dr. T.R. Sundararaman, and Dr. A. Vincent Jeyakumar were promoted as Professors under the UGC Merit Promotion Scheme.

ii) Dr. S.A. Choudum rejoined the School of Mathematics on 22-2-87 after spending the period 1-10-86 to 31-7-87 at the Department of Mathematics, University of Reading, England on a Commonwealth Academic Fellowship.

iii) Dr, M.A. Sundaram gave a series of five lectures at the UGC sponsored Summer School for College teachers on "Computer oriented approximation and optimization theory" at the Ramanujan Institute, Madras during June 1987.

iv) Dr. T.V.S. Jagannathan was invited to give a talk on "Problems in Projective planes" at the Symposium on Development of Geometry in the context of New Education policy, held under the auspices of Bharath Ganita Parishad, Lucknow during 21-22, March 1987.

v) Dr. R. Raghavendran and Dr. T.V.S. Jagannathan were invited to give lectures at the Ramanujan Centenary celebrations of Alagappa University, Karaikudi on 12-12-87.

vi) Dr. R. Raghavendran and Dr. T.V.S. Jagannathan were invited to give lectures at the Ramanujan Centenary celebrations at Arul Anandar College, Karumathur.

vii) Dr. R. Raghavendran gave lectures in connection with Ramanujan Centenary celebrations at Thiagarajar College of Engineering and The American College, Madurai.

viii) A book by Dr. S.A. Choudum entitled "A first course in Graph Theory" was published by Macmillan (India) Ltd in 1987.

SCHOOL OF PHYSICS

I Staff

Professor and Head of the School : Dr. S. Balasubramanian B.Sc. (Hons) (Madras) M. Sc. (Andhra) M.S. (Purdue) Ph. D. (Madurai)

Professors :

Department of Physics :

1. Dr. S. K. Mohanlal. M.Sc. (Madras) Ph.D. (Madurai
2. Dr. N. Krishnamurthy, M.Sc. (Madras) Ph.D. (I.I. Sc. Bangalore)
3. Dr. K. Iyakutti. M. Sc. (Madras) Ph.D. (Madras) (Reader till 21-10-1987 Forenoon)

Department of Theoretical Physics :

4. Dr. S. Balasubramanian, B.Sc. (Hons) M.Sc. M.S. Ph.D.

Readers :

5. Dr K Navaneethakrishnan, M.Sc (Madurai) Ph.D. (Madurai)
6. Dr. R K. Rajaram, M.Sc (Madurai) Ph.D. (Madurai)
7. Dr. E Palaniyandi M Sc. (Maduai) Ph.D. (Madurai)
8. Dr. S. Natarajan, M.Sc (Madras) Ph.D (Madurai) (Lecturer till 31-3-1987)

Lecturers :

9. Dr. N Hariharan, M.Sc. (I.I. T. Madras) Ph.D. (I.I.T. Madras) On leave in Nigeria from May 1984)
10. Mr. V. Vijaya Arunachalam, M.Sc. (Madurai)
11. Dr. T.P. Srinivasan, M.Sc (I.I.T Madras) Ph.D. (I.I.I. Madras)
12. Dr. K Ramachandran, M. Sc. (Madurai) (On deputation to department of Ph.D. (Madurai) Computer Science from 20 8-1986 Rejoined School of Physics on 1-7-1987)
13. Dr. N. Soundararajan, M.Sc. (Madurai) Joined on 18-11-1987 Ph.D. (I.I.T. Madras)
14. Dr V. Ramakrishnan, M Sc. (Annamalai)) Ph.D. (Kerala) Joined on 18-11-1987.
15. Dr. S. Umapathy, M.Sc. (Madurai) Ph.D. (Madurai) Joined on 20-11-1987.

Research Activities :

a) Research works published in journals during the year : 1987

1. Thomas - Fermi Dirac Dielectric function for Ga As and Ga P. D. Chandramohan, and S. Balasubramanian Phys ReV *B 35*, 2750 (1987) USA.

2. Effect of valence Dielectric screening on ionised impurity & sacattering limited mobility in Ga As, D. Chandramohan and S Balasubramanian, Phys. Rev. *B 35* 7977 (1987) USA.

3. Anomalous dispersion Effects, Thermal Vibrations and Bonding charges in Gallium Arsenide, D. Pathinettam Padian, S.K. Mohanlal and K.S. Chandrasekaran
Zeit Phys B: Cond. Matter (1987) *65*, 299 (FRG)

4. An Xray study of Defect structure of Al with Fe impurities S K. Mohanlal and D. Pathinettam Padian cryst. latt. Def and Amorph. Met. (1987) 14, 23 (Ireland)

5. Gel growth and Xray studies of single crystals in the mixed system KDP: ADP S K. Mohanlal and R. Baskaran Cryst. Res. Tech (1987) 22 *(1)* 21 (FRG)

6. Ground States of light impurities in metals. S. Sankar and K. Iyakutti Hypertfine interactions (1987) *35*, 697 (USA)

7. Comment on the piezopolaron Bound States in Semiconductors. V. Sivakumar, B. Sukumar, and K. Navaneethakrishnan, J, Phys. Chem. Solids *48*, 683 (1987) (U.K.)

8. Pressure Dependence of the Dia magnetic susceptibility of shallow Donors in Silicon. T. Vincent Devaraj, B. Sukumar, and K. Navaneethakrishnan. Solid State Commum *61* 727, (1987) (UK)

9. Vibrational spectrum of $Mn_2 P_4 O_{12}$
V. Ramakrishnan, G Aruldhas and A. Biogotto Ind J. Pure and Appl. Phys. *25* 43 (1987)

10. Raman and IR studies of $Na_2 HPO_4 2 H_2O$ V. Ramakrishnan and G. Aruldhas. J. Raman. Spectroscopy *18*, 145 (1987) (UK)

11. IR and polarised Raman studies of $K_2 Mg (SO_4)_2 6H_2O$ G, Sekar, V. Ramakrishnan and G. Aruldhas. J. Solid State chem. *66*, 235 1987. (USA)

12. Vibrational spectra of Te $(OH)_6 X_2 SO_4$ (X = Te, Na) G. Sekar, V. Ramakrishnan and G. Aruldhas, Infrared Phys *27*, 253 (1987) (UK)

b) *Research works in Press / Communicated*:

1. D̄ Centre in Ga As, D. Chandramohan & S. Balasubramanian (Accepted for Phys. Rev. B. (USA)

2. Dielectric response in a quasi two dimensional semi conducting system R. Ramabadran and S. Balasubramanian. (Accepted for the DAE symposium on Solid State Physics, Bombay)

3. An Xray analysis of Anomalous Dispersion Effects Anharmonicity and Thermal vibrations in Gallium phosphide. S. K. Mohanlal and D. Pathinettam Padiyan Zeit Kristallogr (Communicated)

4. Xay studies on the crystalline Texure in Solar grade silicon ribbon S.K. Mohanlal and R. Saravanan (Communicated to 19th National seminar on crystallography, Changanacherry)

5. Optical constants of metallic and dielectric films by ellipsometry R. Suguna and C. Haridass. National conference on electrical and optical properties of solids Sagar MP March 1987 PA 27

6. Lattice Dynamics of Tl I by C. Haridass, R. Sundarajan and N. Krishnamurthy Can J. Phys (1987) Communicated)

7. Hyper Raman Scattering with circularly polarised, light R. Subramanian and N. Krishnamurthy. JOSA (1987) Communicated)

8. Intensity distributions in coarse gratings. T. Nageswari and C. Haridass. J. Phys. Edn. (1987) (Communicated)

9. Lattice dynamics of acoustically active crystals. M. Balasubramanian and N. Krishnamurthy DAE symposium. on Solid State Physics, Bombay, (1987)

10. Valence change in Praseodymium (Pr) and Yitterbium (Yb) under high pressure K. Iyakutti, S. Sankar, M. Dakshinamoorthy, Proc. of V. Int. conf. on valence fluctuation Bangalore P613 (1987)

11. Pressure induced s.d transition in Yb S. Sankar, K. Iyakutti, M. Dakshinamurthy Proc. of the symp. on 'Current Trends in the Physics of materials' World Scientific publishing company, Singapore pp 51 (1987)

12. On the position trapping states of metal mono vacancy. S. Sankar and K. Iyakutti ICTP, Int. Report Ic/37/192

13. Electronic Specific heat of Yb under high pressure. S Sankar, K. Iyakutti and M. Dakshinamoorthy. Proc III National Seminar on Crystal Growth February, 1987.

14 Effect of positive background on the Ground state energy of a wigner lattice. K. Iyakutti. Solid state Phys. Symp. (Bombay) (1987)

15. Electronegativity and the High T_C Super conductivity K. Iyakutti Solid State Phys symp (Bombay) (1987)

16. Why Pr Bo_2 Cu_3 0_7 and Ce Ba_2 Cu_3 0_7 are not super conducting. K. Iyakutti Solid State Phys symp (Bombay) (1987)

17. Electron-Phonon interactions in Pr. under high pressure - A full relativistic treatment S. Karuppiah and K. Iyakutti. Solid State Phys symp (Bombay) (1987)

18. Electron - Phonon mass enhancement of Yb and Ac under pressure S. Sankar, M. Dakshinamurthy and K. Iyakutti. Solid State Phys. Symp (Bombay) (1987)

19. On the Vacancy - binding of light impurities in metals. S. Sankar, K. Iyakutti, and M. Dakshinamurthy. Solid State Phys. Symp (Bombay) 1987.

20. Central cell effects on the ground state of a shallow Donor in a magnetic field. P. Padma, B. Sukumar and K. Navaneethakrishnan Solid state phys. Symp. Bombay (1987)

21. Central Cell effects on the diamagnetic susceptibility of a shallow donor in Si and CaP. B. Sukumar and K. Navaneethakrishnan Proc of III Int. Conf on Phys of Materials Delhi (Accepted) (1987)

22. Crystal structure of Barium salphamate R.K. Rajaram. XIX National Seminar on crystallography Changanacherry (1987) (Accepted)

23. A critical study of effective mass equation in many valley semiconductors E. Palaniyandi and T. Vasantha Malliga (Accepted) for Solid State Physics symposium Bombay (1987)

24. Multivalley effective mass equation for donors in Si - A critical study. E. Palaniyandi and T. Vasantha Malliga Phy Rev. B (Communicated)

25. PMR studies of Group motion in Glyceine Galium Nitrate Dihydrate C.N. Rugminiamma, K. Shantha and V. Vijaya Arunachalam. DAE symposium on Solid State Physics Bombay (1987)

26. Crystal and molecular structure of Dl - nickel aluminate. A. Mostad & S. Natarajan. Z. Kristallographic (In Print (FRG)

27. Gel. Growth of amino acids and peptides I. Glyciene L, Threonine S. Natarajan and H. Alex Devadoss. XIX National Semina on crystallography changanacherry (1987)

28. Gel. growth of amino acids peptides II Glycel glycine S. Natarajan & H. Alex Devadoss XIX National Seminar on crystallography Changanacherry (1987)

29. Crystal growth of some amino acids and their hydrochlorides in Silica gel ; K. Alwan & S. Natarajan. III. National Seminar on crystal growth, Madras (1987)

30. Decomposition of acoustic gyrotropic tensor into irceducible parts. T.P. Srinivasan Solid State Phys. symposium (Bombay) 1987.

31. Mean square amplitude of neighbours and phonon resonance due to vacancy in Hg Te and Cd Te Y. Madhavan and K. Ramachandran. Accepted for Phys. States Solidi (B) (GDR)

32. Self Diffusion and defect modes in Zn Se, Cycilraj, R. Sebastian and K. Ramachandran. Accepted for Ind. J. pure Appl. Phys.

33. Isotope diffusion and phonon resonance in Hg Te and Cd Te (for Cations and anions) Y. Madhavan and K. Ramachandran Accepted for Ind. J. Pure Appl-Phys.

34. Isotope diffusion and defect modes in Hg Te and Cd Te Y. Madhavan and K. Ramachandran Solid State Physics symposium Bombay (1987)

35. Raman and IR speetra of aquomolydemum (VI) oxidehydrate Daizy Philip, G. Aruldhas and V. Ramakrishnan. Pramana (In Press)

36. IR and Polarised Raman spectra of $(NH_4)_2 M(So_4)_2 6H0_2$ (M = Mn Zn) G. Sekar, V. Ramakrishnan and G. Aruldhas. J. Solid state chem (in Press) (USA)

37. IR and Raman Studies in chloresterol monohydrate grown in silica gel. S. Narayana Kalkura, S. Devanarayan and V. Ramakrishnan. Infrared Phys. (in Press) UK.

c) *Research works under progress* :

1. Dielectric response in materials showing high superconnucting transition temperature. S. Balasubramanian

2. Impurity states associated with higher subbands in a semi conductor quantum well. K. Kumaresh and S. Balasubramanian.

3. Effect of electron correlation and exchange on the binding in two electron systems.

4. Effect of high pressure and high impurity concentrations in the electron properties of semi conductors. K. Neethiyulagarajan and S. Balasubramanian

5. Photoionisation of shallow and deep impurities in semi conductors. V. Gayathri and S. Balasubramanian.

6. The effect of effective mass mismatch on the donor binding energies in Semi conductor quantum wells.
R. Rajeswari and S. Balasubramanian On the scattering potentials, in droped semi conductors. S. Santha and S. Balasubramanian.

7. Crystal growth and X ray studies on Indium, Tin and theiralloy. S.K. Mohanlal and Pancy sheela.

8. Xray line shift analysis on chemically silvered thin films. S.K Mohanlal and S. Sankararaman.

9. Characterization for crystallinity in EFG grown Si ribbon. S.K. and R. Saravanan.

10. Xray studies on quarternary crystalline solid solutions. S.K. Mohanlal Mohanlal and D. Pattinettam Padiyan.

11. Xray Vintestigations on the compound semi conductors Ga As, Gap and their solid solutions. S.K. Mohanlal and D. Pathinettam Padiyan

12. Lattice vibrations and phase transitions in Ti O_2 C. Haridass and N. Krishnamurthy.

13. Lattice vibrations and stability of Be So_4 C. Haridass and N, Krishnamurthy.

14. IR spectrum of Anhydrous Be $S0_4$ C. Haridass and N. Krishnamurthy.

15. Raman optical activity and molecular structure. N. Krishnamurthy.

16. On the light scattering from binery liquid mixtures. R- Subramanian and N. Krishnamurthy.

17. Theoretical studies in High Tc super conductors. K. Iyakutti,

18. Electron crystallisation in two and three dimensions. K. Iyakutti Y.M. Thartias and Mr. I. Sabastiar.

19. Polarisabilitias of Donors and the polaronic Effects in a Al_z Ga_{x-1} As superlattice. Alli Periyanayagi and K Navaneethakrishnan.

20. Effect of local distortion on the binding energies of donors in silicon. E Palaniyandi and Praburam.

21. Thomas Fermi theory and an extended positive charge in an insulator. E Palaniyandi and Sasireka.

22. A Solid state NMR spectrometer of Robinson limiter - osciltator type for observation in solids. Valli srinivasan and V. Vijaya Arunachalam.

23. NMR study of crystalline solids containing hydrogen and florine especially systems containing groups of two or three of the above atoms, V. Vijaya Arunachalam.

24. Refinement of the Crystal structure of tris (glycine) zinc chloride S. Natarajan, S.S Rajan and Meena Hariharan.

25. Gel growth and study of the single crystals of some amino acids and their complexes. S. Natarajan.

26. Preparation and study of some new complexes of amino acids and peptides. S. Natarajan.

27. Preparation and study of some new complexes of 1, 10' - phenon-throline and 2, 2' bipyridyl. S. Natarajan, & T. James.

28. Preparation of some new complexes of glycyle glycine and a review on the available structures of its complexes. S. Natarajan and S.V. Sundararaman.

29. Crystal growth of some ammonium salts Using L - glutamine as the starting material. S. Natarajan and J. Johnson.

30 Crystal structure of tris (glycine) copper (II) nitrate : S. Natarajan and E. Papavinasam

31. Description of acoustical activity using irreducible tensors. T. P. Srinivasan.

32. Tensors representing physical properties of condensed matter and invariants. T.P. Srinivasan.

33. Mean square displacements of Te neighbours in CdTe and HgTe K. Ramachandran.

34. Deffusion in HgTe and CdTe for active role of vacancy. K. Ramachandran.

35. Mean square displacements of Zn and Te neighbours in ZnTe K. Ponnamal and K. Ramachandran.

36. Phonon focussing in solids. K. Ramachandran.

37. Microprocessor interfacing K. Ramachandran

38. Diffusion in mixed system. Y. Mandavan and K. Ramachandran.

39. Lattice dynamics of Sm S J P Surendranath and K Ramachandran.

40 Laltice dynamics of Iodine monobromide S. Umapathy.

III. Ph.D. theses, Research Scholars, under Doctoral Programme :

Scholar	Supervisor	Title	Date of award
K. Jeyakumar	Dr. S. Balasubramanian	Some studies on semi conductor alloys	Awarded April 1987
D. Chandramohan	Dr. S. Balasubramanian	Studies on some compound semi conductors	submitted on May 1987

1	2	3	4
A. Nethiyulagarajan	Dr. S. Balasubramanian	Effect of high pressure and high impurity concentration on some electronic properties of semi conductors.	—
K. Kumarasamy	Dr. N. Krishnamurthy	Studies on the lattice dynamics and elastic properties of crystals	Awarded Oct. 1987
R. Subramanian	Doctoral Committee Dr. N. Hariharan Dr. J. Shobanatri Dr. N. Krishnamurthy	Investigations on magnetic resonance of some solids	Awarded March 1987
S. Dhanuskodi	-do-	EPR Investigations some solids	Awarded April 1987
G. Haridass	Dr. N. Krishnamurthy	Vibration spectra of crystals	working
Chellam Ramakrishnan	Dr. N. Krishnamurthy	Lattice Dynamical investigations of some phase transitions in crystals.	working
Dakshinamoorthy	Dr.K. Iyakutti	'Band Specture of la, pr, and Ae and some of their electronic properties under high pressure'	Awarded in Feb, 1987 by Madras University
A. Elangovan	Dr. K. Navaneethakrishnan.	Some aspects of electronic phonon interaction in semi conductors	Working

1	2	3	4
R Manickka-vachagam	Dr. R. K. Rajaram.	Studies in crystal structure analysis (Crystal structures of metallic sulphamates)	Submitted on June, 1987
B. Sukumar	Dr. K. Navaneetha krishnan.	Excitons and Impurity States in Semi conductors	Working as CSIR SRF

IV M. Phil Degrees awarded :

1. V. Gita 'Electron mobility in quantum well hetero structures'
2. A Mohammed Ali Jinnah — Theory of shallow Donors in silicon
3. S. Gabriel Jeleston — Intervalley interference effective mass theory for Donor states in Ga P'
4. P Padma — Central cell effects on the ground states of a shallow Donor in a magnetic field
5. S. Asath Bahadur. — Crystal growth and characterization of amnino acid copper complexes.
6. P. Malliga. — A study of some complexes of amino acids
7. H Alex Devadoss. — Crystal Growth of glylycine L–threonine and N - Glycylglycine usinggel method.
8. S Karuppiah — Electron-phonon interaction and its pressure variation in praseodyim.

V Courses conducted in the Department :

M. Sc. Physics

M. Phil. Physics

VI Seminars and Colloquia :

1. January 19, 1987 : B. Sukumar. Size effect on different impurity levels in semiconductors.
2. July 3, 1987. S. Sankararaman. X-ray line shift analysis on thin films.

3. July, 6, 1987 A. Alex Devadoss.
   Growth of glycine - L. threonine. and N. Glycylglycine - crystals by gel method.

4. July, 13, 1987 S. Karuppiah. Electron-Phonon interaction and its pressure variation in Praseodymium.

5. July 17, 1987 S. Asath Bahadur. Crystal Growth and characterization of amino acid and copper complexes.

6. July 31, 1987 Glorium Arulraj. Tenser Averages

7. August 10, 1987 Has Fortran a future? Dr. K. Ramachandran.

8. August, 24, 1987. P. Padma. Central - Cell effects on shallow donor ground states in a magnetic field.

9. September. 25, 1987. Mre. Valli Srinivasan. Design of transistorised Robinson's limter type spectrometer for use with solids.

10. September, 27, 1987 Mrs. RugminiAmma. Proton Magnetic Resonance in diaqua nitratoglycine calcium (II) nitrate

11. October, 9, 1987, A. K. Kumaresh, Hydrogenic status associated with higher sub bands in a semi conductor quantum well.

12. November 16, 1987 X-ray characterisation studies of Tin, Indium and Sn-In alloys Pancy Sheela.

13. November 30, 1987 P. Sekar, lattice dynamical results on GaF_2, SrF_2, BaF_2 and B - PbF_2

14. December 5, 1987 R. Saravanan. Studies on crystalline perfection of solar silicon ribbon.

VII P.G./M.Phil. students residing in the Hostel :

	Men	Women	Total
I M.Sc.	4	1	5
II M.Sc.	1	5	6
M. Phil.	3	1	4

VIII. Other general information :

1. Dr. S. Balasubramanian was deputed by the Madurai Kamaraj University to visit Delhi as VII Plan committee member. Jan. 1987.

2. On invitation from the UGC Dr. S. Balasubramanian visited Osmania University as a member of DSA committee.

3. UGC nominated Dr. S. Balasubramanian to visit Bhuvaneshwar under ULP (COSIP) Committee.

4. On invitation from the TIFR Radio Astronomy Centre and deputation by the University Dr. S. Balasubramanian and Dr. K S Chandrasekaran (Convenor Computer Science department) held discussions in connections with the starting of Radio Astronomy activities in the School of Physics.

5. Federation arrangement between the School of Physics and the international Centre for Theoretical Physics has been renewed for 1987 Under this arrangement Dr.S.R.K. Rajaram and K. Ramachandran participated in the coleges of Microprocessors at ICTP, Trieste during October, 1987.

6. Dr. E. Palaniyandi and Dr. K. Iyakutti have been nominated by the University as the honorary director and joint director respectively for the Science Education Centre at City Complex.

7. The UGC has awarded research grants for carrying act studies on high temperature superconductivity in the School of Physics with Dr. S. Balasubramanian Dr. K. Iyakutti and Dr K. Navaneethakrishnan as investigators.

8. Dr E. Palaniyandi was one of the coordinators of Science Sammalan jointly arranged by the All India Radio and MK University during September 13 to 20, 1987.

9. A Research project on 'Preparation and X-ray studies of some new complexes of amine acids and peptides' as Dr. S. Natarajan as investigator has been accepted for financial assistance by MK University under the individual Research Project Scheme.

10. Dr. T.P. Srinivasan, visited the Meterials Research Laboratory, IGCAR, Kalpakkam during May 13-June 7, 1987 under IRP Scheme for growing KCl KBr and Pb doped KCl crystals.

11. UGC minor project on 'Gel growth characterisation and X-ray studies of amino acids' as Dr. S. Natarajan as Investigator sanctioned in October 1986 is being continued.

12. Dr S. Natarajan visited the RSIC, I.I.T Madras for X-ray intensity data collection of soure crystals using the single crystsl diffractometer facility during July 1987)

13. As a part of the National Science Day our School of Physics conducted a seminar on 'Raman Effect and other Scientific contribution of Raman' on 28th February, 19 7. Prof. V. Balakrishnan gave on invited talk on 'Non Linear lattices' prof. N. Krishnamurthy, school of Physics and Dr. P. Muthusubramaniam (School of Energy) presented their work in 'Laser related studies'. The seminar was attended by students and Faculty from Colleges in addtion to members of the different Science School

IX Conferences. Seminars attended :

Name of the Faculty	Details of the conference/seminar	Duration
Dr S. Balasubramanian	solid state phys symp (Bombay)	
Dr. S. Mohanlal	National symposium on new materials Bharathidhasan University, Trichy	7, 8, October 1987
Dr. S. K. Mohanlal	XIX National seminar on crystallography,	16
Dr. K. Iyakutti	(chaganachery) V. int. Conf. on valence Fluctuation Bangalore	
Dr. K. Iyakutti	National symposium on New materials Trichy.	oct 1987
Dr. S. Natarajan.	XIX National seminar on Crystallography(changanacherry)	
Mr. V. Vijayaarunachalam	Solid State physics symposium.(Bombay) 1987	
Dr. T. P. Srinivasan.	Solid State physics symposium(1987)	

1	2	3
Dr V. Ramakrishnan.	III National seminar on crystal growth, Madras	
Dr. V. Ramakrishnan.	XIX National seminar on Crystallography, Kottayam.	
Mr. B. Sukumur (Research scholar)	VI International workshop on material physics.	
Mr. C. Haridass. (Research scholar)	National Conference on electrical and optical properties of solids sagar MP (1987)	

SCHOOL OF CHEMISTRY

I Staff :

Professors :

1.	Prof. N Arumugam, M. A., Ph. D., C. Chem., F. R. S. C., F. I. C.S., F. I. C. C.	Head, School of Chemistry
2.	Prof. C. Natarajan, M. A, M. Sc. Ph. D.	Inorganic Chemistry
3.	Prof. S. K. Ramalingam, M.Sc., Ph D.	-do-
4.	Prof. N. R Subbaratnam, M.Sc, Ph.D.	Physical Chemistry
5.	Prof C. Srinivasan, M.A, M.Sc, Ph. D.	Physical Chemistry
6.	Prof. P. V. Raman, M.Sc., Ph D.	Natural Products Chemistry

Readers *:*

1.	Dr. V. C. Devanathan, M Sc., Ph D	Organic Chemistry
2.	Dr. S. Sivasubramanian, M Sc, Ph.D.	-do-
3.	Dr. S. Perumal, M.Sc., Ph.D.	-do-
4.	Dr. S. Selvaraj, M.Sc., Rh.D.	-do-
5.	Dr. M. Raman, M.Sc , Ph. D	Inorganic Chemistry
6.	Dr S. Vaidyanathan, M Sc., Ph.D.	Physical Chemistry
7.	Dr. S. Rajagopal, M.Sc, M Phil, Ph D.	-do-
8.	Dr. M. S. Ramachandran, M.Sc., Ph.D	-do-
9.	Dr. V. Narayann, M,Sc , Ph.D.	Natural Products Chemistry
10.	Dr. P. Ramesh, M.Sc., Ph.D.	-do-

Lectures :

1.	Thiru S. Sivakolunthu, M.Sc.,	Inorganic Chemistry
2.	Thiru. A. Ponnusamy, M.Sc.	Oraganic Chemistry
3.	Dr. PR. Athappan, M.Sc , Ph.D.	Inorganic Chemistry

II Other Information :

The School of Chemistry organised the Sixth Annual Conference of Indian Council of Chemists during December in the previous year, thanks to the financial assistance received from Madurai Kamaraj University, UGG, DST etc. and several distinguished philanthropists of Tamilnadu. Dr. P. V. Raman and Dr. V. C. Devanthan were the local organising secretary and treasurer respectively.

DEPARTMENT OF ORGANIC CHEMISTRY

I Staff :

Prof. N Arumugam
Dr. V. C. Devanathan
Dr. S. Sivasubramanian
Dr. S. Perumal
Dr. S. Selvaraj
Dr. K. Pitchumani
Mr. A. Ponnusamy

II Research Activities

a) Papers published during the year :

1. 1H NMR Spectra of cis -2,6 -diphenylpiperidines and cis-2,6-Diphenyl-4-piperidones,
N.Arumugam, M. Sundaravadivelu, S. Sivasubramanian and D. A wilson. Mag. Reson. Chem., 25, 869, 1987.

2. NMR study of substituent effects in 4- substituted and 4, 4,disubstituted diphenyl sulphides R. Chandrasekaran, S. Perumal and D. A. wilson Mag. Reson. Chem., 25, 1001, 1987.

b) Papers accepted and in print :

1. Synthesis of cis-1-Methyl-2, 6-diaryl-4-piperidones S. Selvaraj, S. Maragathasundaram, S. Perumal and N. Arumugm.
Indian J. Chemistry.

2. Synthesis of 3-Aryl-1-tetralones S. Selvaraj, A. S. Rajendran and N. Arumugam Indian J. Chemistry.

c) Papers communicated :

1. Condensation of some aromatic aldehydes with dimethyl sulphone S. Selvaraj, A. Dhanabalan, S. Perumal and N. Arumugam, Phosphorous and Sulphur and related elements.

d) Research work completed and papers under preparation:

1. 1H and 13_C NMR spectral studies of organosulphur compounds.

2. Kinetics and mechanism of oxidation of alkyl aryl sulphides by N-halooxidants.

3. Selective and mild bromination of organic compounds.

4. Effect of Cyclodextrin cavity on the photo fries rearrangement of methyl phenoxy acetates.

5. Photochemistry of dimethyl deoxybenzoins-Effect of cyclodextrin encapsulation.

e) *Research work under progress* :

1. New Synthesis of phenanthridines. Sterco and Regiochemistry of additions to substituted cyclohenxenes.

2. Synthesis, reactions and spectral studies of several 1, 4- exathiane derivatives.

3. Synthesis, reactions and spectral studies of piperidones.

4. 19 FNMR in the study of long range substituent effects.

5. 1_H and 13_C NMR in the study of effect of - pressure on molecular geometry.

6. Photochemical studies in organized media.

f) *Paper presented at conferences* :

1. "Oxidation of methyl phenyl sulphide by N. Chloroacetamide : Kinetics and mechanism" at the 24th Annual Convention of Chemists, Kolhapur, 1987. S. Perumal, R. Chandrasekaran and N. Arumugam.

2 "A 13 $_C$ Nuclear magnetic resonance study of 4 - substituted diphenyl sulphoixdes" at the 7th Conserence of Indian Council of Chemists, Gwalior, 1987, S. Perumal, R. Chandraskearan and N. Arumugam.

3. "Addition of 2, 4 - dinitrobezenesulphenyl bromide to 1 - arylcyclohexences" at the 7th Conference of Indian Council of Chemists, Gwalior, 1987. V. C. Devanathan.

4 "Effect of Cyclodextrin encapsulation on the photochemical behavious of dimethyldeoxybenzoins" at the 7th Conference of Indian Council, Gwalior, 1987, K. Pitchumani.

g) Other Information :

Dr. V.C. Devanathan delivered lectures under the the COSIP Programme at S. T. Hindu College, Nagercoil and Vellaichamy Nadar College, Nagamalai, Madurai. Dr. S Selvaraj delivered a lecture on ' Applications of IR Spectra in Organic structure Defermination'' under COSIP Programme at ANJA College Sivakasi, on 8th October 1987. Dr. S. Perumal participated in Winter school on mass spectrometry' held at I. I. T. Madras, 1987 and also in 57th National Academy of Sciences, held at Bharadhithasan University, Trichy, 1987.

Dr K. Pitchumani and Mr. A. Ponnusamy joined as Reader and Lecturer / Analyst respectively in the Department of Organic Chemistry, School of Chemistry.

Research Scholars	Name of the Supervisor
1. Thiru. P.P. Jegatheesan	P of. N. Arumugam & Prof C Srinivasan
2. Thiru.S.Aravind	Porf.N.Arumugam & Dr.S.Sivasubramanian
3. Thiru.R.Chandrasekaran	Dr S.Perumal & Prof N.Arumugam.
4. Thiru.K.Ravichandran	Dr.S Sivasubrumanian
5. Thiru.M.Ganesan	Dr.S.Perumal & Prof.N.Arumugam.
6. Thiru A.Dhanabalan	Dr.S Selvaraj & Prof.N•Arumugam
7. Mrs.S.Jayalakshmi	Prof N.Arumugam & Dr.S.Perumal.
8. Thiru S.Alagappan	Dr V.C.Devanathan
9. Mrs G.Vasuki	Dr.S. Perumal & Prof.N.Arumugam,

DEPARTMENT OF INORGANIC CHEMISTRY

I. Staff :

1. Prof.C.Natarajan
2. Prof.S.K.Ramalingam
3. Dr.M.Raman
4. Thiru S.Sivakolunthu
5. Dr.PR.Athappan

a) Research papers published in press :

(i) Synthesis and Characterisation of phenoxy accates of la-nthanoids, C.Natarajan and S. Sivakolunthu, Intiar J. Chem; 2 25A 1156 (1986).

(ii) Phenylisocyanation of Zn (11) , Zro (11) and VO (11) chelates- An EPR study G Shankar and S.K Ramalingam, Natl.Acad Sci.Let. Vol 10, (2), 61 (1987).

Characterization of Tris-Chelated isomers by 'H NMR and 13_C NMR techniques S. K. Ramalingam, M.Raman and V.Rajaram Journal of Coordination chemistry (U.K) 15, 329 (1987).

b) Under Print :

(i) Cobalt (II) nickel (II) and Copper (II) complexes of 1-hydroxy-2-naphtyly (4-x-styryl) Ketones, C. Natarajan and P. Tharmaraj, Transition Metal Chemistry.

(ii) Metal (II) complexes of 4-x-benzenesulphinie acidsstructure and substituent effect on their infra red spectra, C.Natarajan and PR Athappan, Indeasis J. Chem.

NMR study of Bromination products of Yttrium B-diketonates G. Shankar and S.K.Ramalingam, Indian Journal of Chemistry. Bromination of Metal Chelates Bya New brominating Agent-$PYHRr_8$ S.Abdul Samath, M.Raman,S.K Ramalingam Indian Journal of Chemistry.

c) Under Progress :

(i) Metal complexes of 2-formylcyclohexanone and its Schuff bases

(ii) Effect of cujugatin on structure of complexes.

(iii) EPR Studies on the acetoraphlthol oxime and imine complexes

(iv) Investigation of perinteraction in naphthocy acetates. Dr.C.Natarajan. Lanthaxvon (III) perchlorate complexes of Bifurictional Tetrodentate Schiff bases V.Rajaram, K. Paulraj and S.K.Ramalingam. Co(ii)Ni (ii), Cu (ii) complexes of the Heterocyclic Schiff bases. V.Rajaram and S.K.Ramalingam.

Synthesis and Reactivities of Lanthamid Ternary Systems K.Paulraj and S.K.Ramalingam.

1. Sythesis and Characterization of Co (11), Ni (11) and Cu(11) complexes of 2 - hydroxy -1- naphthyl styryl Ketone.
   C. Natarjan and S. Sivakolunthu.

2. Synthesis and characterization Mn(11), Fe(11), Co(11), Ni(11) and Cu(11) complexes of

   2 - hydroxy - 1 - acetonapthoxime and
   2 - hdyroxy - 1 - benzonaphthoxime.
   C. Natarajan and S. Sivakolunthu.

3. Sythesis and Characterization of metal (ii) and Metal (iii) alpha & beta naphoxyacetates.
   C. Natarajan and S. Sivakolunthu.

d) List of seminars etc attended during the year :

The following papers have been accepted for oral presentation at the following conferences.

(i)	24th Annual convention of Chemists, Shivaji University, Kolhapur	3 - (1 - hydroxy - 2 - na - phthyl) - 5 - (4 - x - phenyl) Pyrajoline.
(ii)	7th Annual conference of Indian Council of Chemists, Jiwaji University, Gwalior Dr. C. Natarajan.	Copper (ii) complexes some bi, lri and quadridentate Schuff bases of 2 - acchyl - 1 - naphthol.

e) Details of part - time / Full time research Scholar working under the faculty :-

Name of the Scholar	Name of the Supervisor	Topic
1. Thiru. S Sivakolunthu	Prof. C. Natarajan	Studies on metal complexes.
2. Thlru. P. Tharmaraj	- do -	Synthesis and study of Chalcore metal complexes.
3. Thiru Jacob Jebaraj	- do -	A study of binucle or metal complexes.
4. Thiru. S Meenakshisundaram	- do -	Metal complexes of derivatives of carbonyl compounds
5. Thiru. M. Sankarnarayna Pillai	- do -	Stability of Coordination Compounds.
6. Miss. C. Dorothy Sheela	- do -	Metal complexes of farmylcyclopeaenone and their derivatives.
7. Thiru. S. Abdul Samath	Prof S K. Ramalingam	Studies in Reactivities of Metal Complexes.

DEPARTMENT OF PHYSICAL CHEMISTRY

Staff:

Prof. N.R. Subbaratnam
Prof. C. Srinivasan
Dr. S. Vaidhyanathan
Dr. S. Rajagopal
Dr . *M* . S . Rāmachandran

a) Research work Publised;

Dr. N.R. Subburatnam :

One Paper in Polymer (London)

Dr . S . Rajagopal.

1. "Does Nonadiabaticity play a Role in the Photoinduced Electron Transfer Reactions of Ruthenium (II) Complex". N.Kitamura, S. Rajagopal and J . Phys. Chem ., 91, 3767 (1987) . S.Tazuke.

2. "Substituent Effects in Cooxidation: Chromium (VI) -Oxalic acid Sulfoxide Systems (C. Srinivasan P. P. Jegatheesan, S. Rajagopal and N. Arumugam) can J. Chem., 65, 2421 (1987)

Dr. C. Srinivasan

1. "Substituent Effects in Cooxidation Cr (VI)-Oxalic Acid - Sulfoxides Systems", Can. J. Chem., *65*, 2421 (1987)
2. "Selective Oxidation of Sulphides to Sulphoxides with Peroxodisulphate'', Indian J. Chem., *26B*, 193 (1987)
3. "Mechanism of the Oxidation of Alkyl Aryl and Dianyl Sulphoxides by Peroxomonosulphate" Proc. Indian Acad. Sci (Chem. Sci) *97*. 555 (1986)
4. "Reexamination of substituent Effects on ^{13}C NMR Chemical shifts of side chain. Carbons in 5-Aryl-2E, 4E-pentadienoic Acid Derivatives", Indian J. Chem., *25B*, 1188 (1986).
5. Kinetics of Oxidation of Diphenyl Sulphoxide by N-Chlorosuccinimide" abstracts of paper of the Sixth Annual Conference of Indian Council of Chemists, Physical Chemistry section P, 33, 1987:

6. "Peroxomonosulfate -Vanadyl sulfate as a New Redox Initiator for Polymerisation of Acrylonitrile"' Abstracts of paper of the Sixth Annual Conference of Indian Council of Chemists, Physical Chemistry scection P. 35 (1987).

7. "Kinetics and Mechanism of Oxidation of Methionine by Hydrogen Peroxide in Acid and Alkaline Media", Abstracts of paper of the Sixth Annual Conference of Indian Council of Chemists, Physical Chemistry Section P. 33 (1987).

8. "Oxidation of Aryl Methyl Sulphides and Diaryl Sulphides by Peroxomonosulphuric Acid-Substituent Effect and Mechanism", Abstracts of paper of the Sixth Annual Conference of Indian Council of Chemists, Physical Chemistry Section P. 9 (1987).

9. "Substituent effects in the Bromamine T Oxidation of phenyl Methyl and Diaryl Sulphoxides", Organic Chemistry Section, P.19 (1987).

Dr. S. Rajagopal :

b) *Research Work in Progress*

Uncatālysed and Picolinic acid Catalysed Oxidation of Organic Sulphur compounds in Acetonitrile-water mixture.

1. Photosensitized Electron Transfer Reactions with organic sulphur compounds.
2. Studies on micellar Catalysed reactions.
3. Homgeneons Catalysis.
4. Applications of LFER in 'H, ^{13}C, ^{33}S' ^{17}O and ^{15}N NMR Spectra.
5. Mechanistic studies with organic sulphur compounds.

(c) *Under Print* :

Dr. N.R Subburatnam:

Three papers accepted in the Journal of Macromolecular Science-Chemistry (U.S.A.)

d) List of Seminars etc. attended during the year:

Dr. S. Rajagopal

Place	Duration	Papers presented.
1. Bharathidasan University, Tiruchirapalli.	7th Oct, 81 87	Attended the symposium on New Materials.
2 Seventh Annual Conference of Indian Council Chemists Jiwaji University, Gwalior.	28-30, Dec. 87	Presented the paper" Kinetics and and Mechanism of Oxidation of Methionine by Hydrogen peroxide in Acid and Alkaline Media" .Abs. P. 33.
3. ,, ,,	28-30 Dec. 87	Presented the paper Mechanism of Uncatalysed and Picolinic Acid Catalysed Chronium (iv) Oxidation of Methyl Phenyl Sulphide in Acetonitrile - water Mixture Abs. P. 34.

Dr. C C. Srinivasan

Name of the conference/ Seminar and duration	Paper Presented.
Feb 21, 22, 1987 Dr. Zakir Hussain college, Ilayangudi.	Resource person- delived a lectrue.
Seminar on 'Modern Technology and Higher Education" held in Collaboration with All India Association for Educational Technology at Dept. of Education, Madurai Kamaraj Univ. Sept. 1987.	Presidential address
Seminar on 'Scientific Developments' in Tamil organised by All India Radio, Madras and Madurai and Madurai Kamaraj University August 19, 1987.	Chaired the session Delivered a lecture.
U G.C. Workshop on Establishment of Academic staff college held at Madras August 4, & 5, 1987.	

d) Details of Part - time Research Scholar working under the faculty

Dr. S. Rajagopal

	Name	Topic	Date of Joining
S.	Rathnasabapathy	Redoxpolymerization	1984
S.	Hariharan	Graft Polymerization	1986
S.	Seetharaman	Kinetics of Polymerization	1986

Dr. N.R.Subbrtnam.

	Name	Topic	Date of Joining
1.	T.C. Manohar	Homogeneous Catalysed Oxidation of organic compounds.	March 1987.

	Name of the Scholar	Name of the supervisor	Topic
1.	P.Subramanian	Prof. C. Srinivasan	LFER in Aromatic system.
2.	R. Suthakaran (University)	do	Oxidation of organic Compounds.
3.	D. Thenraja (F. I. P.) left in 1967.	do	Kinetic and Mechanistic studies in Oxidation of organic compounds.
4.	G. Sivasubramanian (Doctoral Committee)	do	Studies on Polymerzation
5.	S. Natarajan (Doctoral Committee)	do	Studies on Vinyl Polymerization.
6.	V. Ponnuthirumalai (Doctoral Committee)	do	Studies on Oxidation kinetics.
7.	P. P. Jegadeesan (SRF, CSIR)	Prof. C. Srinivasan & Prof. N. Arumugam	Studies on substituent Effects.

e) Other Information:

Award of Ph. D thesis and submission of thesis :

Thiru P. K. Ganesan who worked under the guidance of Prof. C. Srinivasan and Prof. N. Arumugam was awarded Ph. D degree in May 1987.

Thiru P. Subramanian submitted his Ph. D. thesis in July 1987,

DEPARTMENT OF NATURAL PRODUCTS CHEMISTRY.

I. Staff :

1. Prof. P. V. Raman
2. Dr. V. Narayanan
3. Dr. P. Ramesh
4. Dr. R. Gandhidasan.

a) Research work published inlpress:

Two (in Phytochemistry & Fitoterapia) P. V. Raman.

b) Research work in progress :

Three projects are in progrees. Dr. P. V. Raman
Four Dr. V. Narayanan
One Dr. R. Gandhidasan.

c) Reserach Scholars:

Name	Topic	Date of Joining
1. Mr. K Hariramakrishnan	Chemistry of Natural Product & relative Synthetic experiments.	1982
2. Mr. Ravi		1984
3. Mr. Ravishankar		1985
4. Miss Subashini K. Sripathy		1986
5. Mrs. Savitri Devaraj		

d) Under Print

Dr. P V. Raman

One communicated to phtochemistry & one in Indian Journal of Chemistry.

Dr. V. Narayanan

Three, (one Phytochemistry Two in Fitoterapia)

Dr. R Gandhidasan

Two communicated

Dr. P. Ramesh:

1. Synthesis of cirsimaritin by transacylation method Inor.n J. Chem (in press)

2. Synthesis of 5, 6-Dihydroxy-7. 4-dimethoxyflavone by transacylation method. Curr sci (in press).

e) *List of seminars etc attended* during the year :

Name and Place of Seminar	Duration	Papers (Presented
Dr. P. Ramesh, Tiruchy	November 11-13-1987	one (presented by C.R. Yuvarajan).
Dr. V. Narayanan. Tiruchi	November 11 to 13,1987	one.

M.Phil / P.G. / Ph.D. students residing in the hostels.

	Men	Women	Total
Ph.D.	9	3	12
M.Phil	2	3	5
P.G. Degree I Year M.Sc.	6	5	11
II Year M.Sc.	4	5	9
No. of SC / ST students residing in the hostel	2	1	3

III. Courses Conducted in the Department

M.Sc. — Chemistry
M.Phil. — Chemistry
M.Phil — Summer Sequential (Part - time)

DEPARTMENT OF CHEMISTRY P.G EXTN. CENTRE, PALAYAMKOTTAI

I. Staff

Lecturer, Dept-in-Charge : Dr. A. Raghavendran, M.Sc., Ph.D.,

Lecturers :

1. Dr.P. Venuvanalingam M.Sc., Ph.D.,
2. Dr.K- Pitchumani, M.Sc., Ph.D., (upto 10. 11. 87)
3. Dr. M. Sivasankaran Nair, M.Sc., Ph.D.,
4. Dr.S.Gopalakrishnan, M.Sc. Ph.D
5. Dr.A, Manthiram (on study leave to avail Post Doctoral Fellowship at U.S)

II Research Activities :

1. Dr. P. Venuvanalingam's paper entitled "Calculation of MO energy levels of some conjugated systems using graph theory" has been accepted for presentation at the seventh annual conference of Indian Council of Chemists to be held during 28th-30th December at Gwalior.
2. Dr. S. Gopalakrishnan's paper entitled "Comparative pharmacognostical and phytochemical studies on the leaves of Ocimum sanctum Linn. and Ocimum Canum Sims" was accepted for presentation at the 24th Annual Convention of Chemists" held at Shivaji University Kolhapur from 22nd November '87.

   Paper entitled "Effect of Aegle Marmalos and Limonia Cremulata in Alloxan - Induced Diabetic Rats" was accepted for presentation at the Sixth European Symposium of Complementary medicines' held at Copenhagen, Denmark from 28th to 30th August '87.

III Courses Conducted in the department

M.Sc., Chemistry

M.Phil., Chemistry (part-time)

,, ,, (sequential)

IV Conferences, Seminars, attended by the teachers during the year

a. Dr. K. Pitchumani availed of the National Associateship scheme and visited the Department of Organic Chemistry, Indian Institute' of Science, Bangalore, during April–June '87.

b. Dr. S. Gopalakrishnan attended the five - week UGC sponsored programme on "Microcomputers and programming Languages"

conducted by the Computer Centre, Tamil University, Thanjavur from 2-11-87 to 9-12-87

V. PG students residing in the hostels:

	Men	Women	Total
M.Sc. I Year	1	2	3
M.Sc. II Year	2	4	6

SCHOOL OF BIOLOGICAL SCIENCES

I. **Staff :**

Professors :

Head & Co-ordinator

1. Dr. M. Lakshmanan, M.A., M Sc., Ph.D. — Microbiology
2. Dr. VR. Muthukkaruppan, M.A., M.Sc., Ph D., — Immunology
3 Dr. J. Jayaraman, M Sc, Ph.D., — Biochemistry
4. Dr M.K. Chandrashekaran, M.Sc., Ph.D., D.Sc., — Animal Behaviour
5. Dr. T.J. Pandian, M.Sc., Ph.D., Dr. re nat. — Animal Science
5. Dr. R. Jayaram, M.Sc, Ph.D, — Molecular Biology
6. Dr. D Padmanabhan, M.Sc., Ph D., — Plant Morphology
7. Dr. G Kulandaivelu, M.Sc., Ph.D., — Plant Physiology
8. Dr. G. Shanmugam, M.Sc., Ph.D, — Biochemistry
9. Dr. C. Rajamanickam, M.Sc, Ph.D., (on leave) — Biochemistry
10. Dr. K. Dharmalingam, M.Sc., Ph.D., — Genetic Engineering
11. Dr. RM. Pitchappan, M.Sc, Ph.D., — Immunology
12. Dr. S. Shanmugasundaram, M.Sc, M.Phil., Ph.D, — Microbiology

Readers

1. Dr S. Mathavan, M Sc., Ph.D., — Animal Science
2. Dr. P. Gunasekaran, M.Sc., Ph.D., — Microbiology
3. Dr. R. Subbaraj, M.Sc, Ph.D., — Animal Behaviour
4. Dr. V. Sekar, Ph.D., — Genetics
5. Dr Kailash Paliwal, M Sc., Ph.D, — Plant Sciences
6. Dr. J Muthukrishnan, M.Sc., Ph.D., — Environmental Biology
7. Dr. A. Anukanth, M.Sc., M.Phil., Ph.D., — Biophysics

Lecturers :

1. Dr. Mannar Mannan, M.Sc., M.Phil., Ph.D., — Plant Sciences
2. Dr. K. Kannan, M.Sc., Ph.D., — Clinical Immunology
3. Dr. Sripathi Kandula, M.Sc., Ph.D., — Neurophysiology
4. Dr. G. Marimuthu, M.Sc., Ph.D , — Animal Behaviour
5. Dr. Peter Marian, M.Sc., Ph D., — Animal Physiology
6. Dr. S. Baskar, M.Sc., Ph.D., (on leave) — Immunology
7. Dr. P Sudhakar Swamy, M.Sc., Ph.D., - Ecology

Centre for Biology Education

1. Prof. S. Krishnaswamy, M Sc., Ph.D., D.Sc., — Director
2. Dr. J.C B. Abraham, M.Sc., Ph.D., — Honorary Assistant Director
3. Dr. P Jeyachandran Gabriel., M.Sc., M.Phil., Ph.D., — Reader
4. Dr. (Mrs) Anandavalli Mahadevan, MSc., Ph.D., — ,,
5. Dr. K. Raja Kumar, MSc., Ph.D., — ,,

DEPARTMENT OF ANIMAL BEHAVIOUR AND NEUROPHYSIOLOGY

I Staff :

Professor and Head M.K. : Chandrashekaran

Reader

Dr. R. Subbaraj

Lecturers

Dr. G. Marimuthu

Dr. Sripathi Kandula

II. Research Activities -

a] Research work published during the year

Viswanathan, N. and Chandrashekaran, M.K. Continuous light abolishes the maternal entrainment of the circadian activity rhythm of the pups in the field mouse. Experientia 43: 576-578 (1987)

Chandrashekaran M.K. Book review: Environmental control of circadian rhythms in plants. Ed. K.S. Sundarajan (Agro Botanical Publ. 1985 India) Curr. Sci. 56: (1987)

Chandrashekaran M.K. Fleissner G, and Neuweiler G (Animal Behaviour: Basic Experiments in Neurophysiology (Macmillan, India) pp 48 (1987).

Marimuthu G. and Neuweiler G The use of acoustical cues for prey detection by the Indian false vampire bat *Megaderma lyra* J Comp Physiol A 509-515 (1987)

Gwinner E. Subbaraj, R and Bluhm C.K. Differential effects of pinealectomy on circadian rhythms of feeding and perch-hopping in the European starling. 4. Biol Rhythms 2: 109-120 (1987)

b] Research works under print :

Chandrashekaran M.K. and Marimuthu G. Sighting of a colony of the Indian false vampire bat *Megaderma lyra*. Bat Research News (in press)

R. Subbaraj, K.S. Sundararajan and M.K. Chandrashekaran Temperature compensated nature of circadian rhythms in the tropics Indian J Exp Biol (in press)

c] Research work under progress :

1. Chemical manipulation of circadian rhythms of mice
2. Effect of feeding/starvation cycles on the locomotory activity of the mice *Mus booduga*
3. Maternal entrainment of the activity rhythms of pups of *Mus booduga*
4. Effect of light and dark pulses on the circadian rhythms of mice *Musboodga*
5. Action spectra studies on the circadian rhytms of the mice and birds
6. Detection and catching prey by the Indian false vampire bat *Megaderma lyra*
7. Tonotopy in the brain of bats
8. Ontogeny of ultrasonic vocalizations of the Indian false vampire bat *Megaderma lyra*
9 Conservation of bats
10 Human circadian rhythms

d) Extra-curricular activities :

1. Dr. G. Marimuthu participated in "Ariviyal Aivarangu" Dr. Zakir Hussain College, Illayankudi.
2. Articles on Bats published in "Thinamalar" Oct. 87
3. "Birds of the night" - TV programme with JAMIA MILLIA ISLAMIA University New Delhi for UGC Educational programme.

III. Research Scholars :

Name of the Scholar	Name of the Supervisor	Degree for which regis-terd	Topic of research	Works published	Whether thesis submitted	Whether declared for the degree
K. Navaneetha kannan	Prof. M.K. Chandra-shekaran	Ph.D.	Light relations of the circadian rhythm in the palm squirrel *Funabulus palmarum*	—	—	—
N. Viswanathan	,,	,,	Maternal entrainment of the circadian activity rhythms of the pups of the field mouse *Mus booduga*	1	Yes	Yes
P. Kumarasamy	,,	,,	Chronobiology of the common field mouse	—	No	No
M. S. Ramkumar	,,	,,	Maternal entrainment and light relations of the circadian rhythms in the field mouse *Mus booduga*	—	No	No
Stephen Sumithran	,,	,,	Circadian rhythms in leaf nosed bat *Hipposideros bicolor*	—	No	No
P. Subramanian	Dr. R. Subbaraj	,,	Effect of antidepresent drugs on circadian rhythm in the field of mouse *Mus booduga*	—	No	No
Dr G. Marimuthu	Prof M.K.C.	R.A.	Echolocation and feeding behaviour of bats	1	Yes	Yes
Dr. K. Sripathi	Prof. M.K.C.	R.A.	Neurophysiology of audition in bats	—	Yes	Yes

IV. **Conferences, Seminars etc,. attended by the teachers during the year**

Name of the teachers	Name of the conference/seminar attended and the place were held	Duration of the conference	Topic of papers presented
Prof. M.K. Chandrashekaran	Gordon Research Conference	Jun 28 to July 3	Limits of maternal entrain - ment of circadian rhythms in pups of the field mouse *Mus-booduga*
,,	XVIII Intl. Conf. Chronobiology	July 11 to July 24	Mother mouse as Zeitgeber to cricadian rhythm of pups

V. **List of foreign students :**

Name of the student and country	Commerce/Business	Arts Science	Other subjects
G HO hmann	—	—	—

VI. **Other general information** :

Dr. G. Marimuthu has been selected as an Associate of the Indian Academy of Sciences, Bangalore.

Professor M.K. Chandrashekaran and Dr. R. Subbaraj have been selected as the members of the Society for Biological rhythms (USA)

Prof. M.K. Chandrashekaran has been selected as Fellow of the National Academy (FNA).

DEPARTMENT OF ANIMAL SCIENCES

I. Staff :

Prof. & Head : T.J. Pandian

Reader

Dr. S. Mathavan

Lecturer

Dr. Peter Marian

Research Associates

Dr. M. Krishnan

Dr. V. Arul

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II. Research Activities :

a) Research work published during the year :

Pandian, T.J. and Varadaraj, K Techniques to regulate sex ratio and breeding in Tilapia. Curr. Sci. 56, 337-343 (1987)

Varadaraj, K. and Pandian T.J. : Masculinization of *Oreochromis massambicus* by administration of 17 methyl-5-androsten-3-17-diol through rearing water. Curr. Sci. 56, 412-413 (1987)

Pandian, T.J. and Muthukrishnan, J. : Regulation between feeding and food production in some insects. Proc. Indi. Aca. Sci. 96, 171—180 (1987)

Mathavan, S. and Velpandi, A. : Subtoxic effect of *Bacillus sphaericus* 1593M on feeding growth and reproduction of *Laccotrephes griseus* Exp. Biol. 6, 149-153 (1987)

Mathavan, S. and Jayakumar, E. : Long term effect of pesticides on feeding growth, fecundity and energy budget of *Laccotrephes griseus* Ind. J. Expt. Biol. 25, 48-51 (1987).

Mathavan, S. and Nagaraja Sethuraman, B. : Effects of feeding regime on energy allocation to reproduction in the silkworm *Bombyx mori* Proc. Ind Acad Sci. (Ani. Sci) 96 (3) 333 - 340 (1987)

Krishnan, M. and Chockalingam, S. Effect of diflubenzuron and inhibitor of chitin deposition of pupae of the hairy caterpillar *Pericallia ricini*. Proc. Nat Con. Env. Impaction on Biosystem 95-100.

Peter Marian, M. Pandian, T.J. Mathavan, S, Murugadass, S. and Premkumar, D R.D : Suitable diet and optimum feeding frequency in the eyestalk ablated prawn, *Macrobrachium lamarrei* Proc. Asian Biol. S. (1987)

Mathavan, S., Murugadass, S. and Peter Marian, M. : Ontogenetic changes in the composition and energy budget of *Macrobrachium malcolmsonii* Proc. Asian Biol Symp. 647-650.

b) Research works in press :

Pandian, T J. : Substainable clean water and aquaculture, Engeb. Limnol. 24 (1987)

Pandian, T.J. : Energy flow and present status of small irrigation reservoirs in southern Tamilnadu IDRC reservoir Workshop in July, 1987 (1987)

Mathavan, S. and Mohan, S : An attempt towards the generation of lepidopteran bioenergetics components. Sericologia. (1987)

Mathavan, S. and Velpandi, A. : Bacaterial induced protein synthesis in the haemolymph of *Bombyx mori* larvae Sericologia (1987)

Mathavan, S. and Murugadass, S : An improved design for *in vitro* hatching of *Macrobrachium* egg. J. Asian Fish. Soc. (1987)

Mathavan, S. and Jayakumar, E. : Sub-toxic effects of Fenthion and Dursban on the predatory behaviour of *Laccotrephes griseus* (Hemiptera : Nepidae). Proc. III Oriental Entomol (1987)

Chandrakantha, J. and Mathavan, S. : Influence of Erythrina seed extract on oviposition of *Callosobruchus maculatus*. Entomon (1987).

Velpandi, A., Mathavan, S and Chockalingam, S. : Subtoxic effects of Dimilin on the mass budget of selected lepidopterus larvae. Entomon. (1987

Premkumar, D.R.D. and Mathavan, S : Efficiency of a synthetic pyrethroid, dicamethrin to selected target and non target organisms. Proc. on Alternatives to synthetic insecticides in integrated pest management systems (1987)

Marian, M.P. and Co-authors : Effect of eyestalk ablation and food quality on growth and biochemical composition of *Macrobrachium lamarrei*. Proc. National Sym. Environ. Biol. (1987)

Basil, A J., Premkumar, D.R D , Lipton, A P. and Marian, M P. : Preliminary studies on the culture of *Artemia* using renewable organic wastes. Artemia Research and its Application. Vol 3 : Ecology, culturing use in aquaculture.

Basil, A.J , Premkumar, D.R.D., Lipton, A.P. and Marian M P. : Artemia in the salt pans of Vedaranyam southern India Artemia Research and its applications. Vol 3 : Ecology, culturing use in aquaculture.

Marian, M.P. and Christopher, M.S.M. ; Effects of bacterial infection in the mode of feeding and respiration in the tadpole *Rana tigrina*, Indian J. Exp. Biol

Marian, M.P : Utilization of organic wastes for the culture of fish feed organisms Proc. Asian Science & Technology Congress (1987)

Marian, M.P. and Co-authors : Biotechnology approach to mushroom culture. Proc. Asian Science & Technology Congress (1987)

Marian, M.P. and Ponniah, A.G. : Interaction of cannibalism and predation in *Rana tigrina* tapoles and *Erectes stictcus* larvae. Freshwater Biol (1987).

Murugadass, S and Mathavan, S. : Mass production of *Macrobrachium malcolmsonii* seedlings. Proc Asian Science & Technology Congress (1987).

Murugadass, S. Mathavan, S., and Marian, M.P. : Influence of eyestalk ablation of somatic and reproductive growth in the commercially important reverine prawn, *M. malcolmsonii*. Proc. First Indian Fisherise Forum (1987)
Murugadass, S., and Pandian, T.J. : The effects of dietary protein concentration on moulting, growth, reproduction and metabolism of the commercially important reverine prawn, *Macrobrachium nobilii*. First Indian Fisheries Forum (1987).

Krishnan, M. : Effect of sublethal concentration of dimilin on growth and egg production of *Moina micrura* (1987).

Sindhu Kumari, S. and Pandian, T.J. : Effect of eyestalk ablation on moulting growth, reproduction and bioenergetics of *Macrobrachium* (1987)

Varadaraj, K. and Pandian, T.J. . Food consumption and growth efficiency of normal phenotype male *Oreochromis mossambicus*. Proc. 2nd Int. Sym. Tilapia in Aqua. Bangkok, Thailand.

c) Contribution to book series :

Pandian, T.J. : Fish Energetics In : Animal Energetics (Vol. 2) Academic Press, New York (1987).

Pandian, T.J., & Muthukrishnan, J ; Insect Energetics In : Animal Energetics (Vol. I) Academic Press, New York (1987).

Pandian, T.J. and Vernberg, F.J. : Animal Energetics. Vol 2. Academic press, New York 1987.

Pandian, T.J. and Vivekanandan, E. : Bioenergetics : Madras Science Foundation (1987)

d) Other informaiion :

Dr. S. Mathavan : Selected by the Department of Biotechnology for Biotechnology Overseas Associateship (long-term : 1987 - 1988). Availing the fellowship from 31st March, 1988.

III. Research Projects in the Department of Animal Sciences :

Ongoing :

1. MPEDA, Cochin 1986-88	:	All India co-ordinated project on survey on resource potential of edible frogs in India and the present rate of exploitation for expert. Total grant Rs. 5,79,800
2. MPEDA, Cochin (1986-89)		Mass culture of fish feeding organism for prawns, fishes and frogs : Developing techniques and training programmes. Total grant Rs. 4,80,000/-
3. MPEDA, Cochin (1987-88)		Design to develop mass culture of *Rana tigrina* tadpoles Total grant Rs. 2,58,000/-
4. Bhopal Gas (1987-89)		Toxicological effect of MIC on life systems Leakage in Life Systems in simulated microsome, New Delhi Total grant Rs 5,95,600-

5 UGC, New Delhi (1984-88) — Scope for the application of androgens for intensive mon-sex (male) culture of *Tilapia mossambicus*
Total grant Rs. 1,68,500/-

6. IFS, Stockholm (1984-87) — Mass production of Macrobrachium seedlings
Total grant Rs. 2,87,500/-

7. ICMR, New Delhi (1986-89) — Long term action of sub-lethal concentrations of biocide from the strain of *Bacillus sphaericus* on the physiology and reproduction of non-target insect predator
Total grant Rs 1,33,000/-

Completed in 1987 :

UGC, New Delhi (1984-87) — Scope for the utilization of Caffeine and Theophylline for pest control - a bioenergetic approach
Total grant Rs. 1,01,000/-

UGC, New Delhi (1984-87) — Effects of pesticides of paddy on paddy field ecosystem : Ecophysiological, toxicological and residual considerations
Total grant Rs. 1,50,000/-

IV. Research scholars :

Name of the scholar	Name of the Supervisor	Degree for which registered	Topic of research
V. Arul	Dr. T.J. Pandian	Ph.D.	Endocrine studies of fish
S. Sindhu Kumari	,,	,,	Thesis submitted
S. Murugadass	,,	,,	Mass production of *Macrobrachium* larvae
K. Varadaraj	,,	,,	Mono-sex culture of *Tilapia mossambica*
S. Chandran	,,	,,	Studies on mass culture techniques of fish organisms and fish feed formulations
S. Mahalingam	,,	,,	-do-

1	2	3	4
M. Chandrasekar	,,	,,	Toxicologicol effects of MIC on life systems in stimulated microcosm
R.Ilanthirayan	,,	,,	-do-
E. Jayakumar	Dr. S. Mathavan	,,	Toxicological studies on Hemipteran
A.Velpandi	,,	,,	Role of biocides in aquatic organisms
B.N. Sethuraman	,,	,,	Effecis of Caffeine and Theophylline on lepidopterans
D.R.D. Premkumar	,,	,,	Studies on the physiology and bioenergetcs of Hemipteran bug
E P. Jane	,,	,,	Physiological and bioenergetics studies on the effects of *Bacillus thuringinsis* on lepidopteran pest

V. Details of Seminars, conducted by the department during the calender year 1987.

Seminar/Conferences condccted by the Department	No. of delegates	Period From	To	No. of teachers attended outside the University
National Seminar on 'Statistics for Biologists"	50	Feb.2	Feb.6	31

VI. Conferences, Seminars etc., attended by the teachers during the year

Name of the teachers	Name of the conference seminars attended and the place where held	Duration of the conference	Topic of papers presented
Dr. T.J. Pandian	IInd Intl. Conference on Tilapir in Aqua culture at Bangkok, Thailand On the invitation of INSA Scientists Exchange Programme visited China	16th March to 20th March	Techniques to producing all male and all triploidy *Oreochromis mossambicus* 4 lectures
Dr.S. Mathavan	11th Intl. Congress on Plant protection at Phillippines	5th October to 9th October	Dimilin-its impact on the protein profile of the caster pest *Pericallia rieini*
	Asian Science and Technology Congress at Kulalalumpur	14th October to 17th October	Mass rearing technique for *M.malcolmsonii* seedlings
	15th Int. Sericultute	2nd March to 6th March	Bacteria induced protein synthesisin thelarva and pupa of *Bombyxmori*
Dr. Peter Marian	Asian Science and Technology Congrest at Kualalampur, Malaysia	14th October to 17th October	Utilization of organic wastes for the culture of fish feed organisms
	Int. Sym. on Science, Technology and Development at New Delhi	20th March to 25th March	

1	2	3	4
Dr. M.Krishnan	11th Int. Conf. on plant protection at Manila, Philippines	5th October to 9th October	
	Asian Science and Technology Congress Knalalumpur, Malaysia	14th October to 17th October	
K. Varadaraj	The IInd Intl. on Tilapia in Aqua-culture, Bangkok, Thailand	16th March to 20th March	Food consumption and growth efficiency of normal phenotype male *Oreochromis mossambicus*
	Asian Molecular Biol. organization course on genetic manipulation of fish and mouse embryos, Beijing China.	26th April to 5th May	
S. Murugadass	Asian Science and Technology Congress at Kualalumpur, Malaysia	14th October to 17th October	Mass production of *Marcobrachium malcolmsonii* seedlings.

DEPARTMENT OF BIOCHEMISTRY

I. Staff :

Professor and Head :	Dr. J. Jayaraman
Professors	Dr. C. Rajamanickam
	Dr. G. Shanmugam

II. Research Activities :

Dr. J. Jayaraman's group

i) Research works published during the year :

Jayaraman, J : Salinity adaptation in fish : Bioenergetic aspects in integration and control of metābolic process - pure and applied aspects Kon, O.L. et. al (Eds) ICSU Cambridge University Press Cambridge 1987.

Jebakumar, S.R.D., Kumaraguru, A. K. and Jayaraman, J. Organo chlorine pesticide residues in poultry in and around Madurai (Tamilnadu) Proc. of National Workshop on pesticide residues in environment awareness assessment and management 1987.

ii) Research under Progress :

a) Mitochondriogenesis in Yeast - DST

This is an ongoing project for the past several years. The basic question that is asked is how the organelle and nuclei in yeast cells interact to initiate mitochondriogenesis.

b) Integration of cytosolically synthesised dehydrogenases into mitochondria : UGC

While the above mentioned project deals with message transfer, this Project is aimed at understanding the transfer of enzymes and proteins across the mitochondrial membrane.

c) Lipids and mitochandriogenesis

Recently a project on the role of lipids in mitochondrial biogenesis has been initiated

d) Salinity adaptation in fish

In this project, an attempt is made to understand how imposing an ionoosmotic stress on a fresh water fish, alters the biogenesis machinery in order to cope up with the stress.

e) Studies on metallothionein : CSIR

Metallothionein are protein which are induced by heavy metals in many organisms. Although their functions are not fully understood, attempts are being made to uuderstand the induction phenomena in fish and yeasts, with the ultimate idea as to whether these organisms can be used as scavengers of the toxic heavy metals.

f) Chemodynamics of pesticides in rich - fish ecosystem : IAEA

A rice fish model ecosystem has been developed in the laboratory. Using this system, the dissipation, distribution and degradation of pesticides have been studied.

g) Microbial degradation of pesticides :

A bacterial species, tentatively identified as micrococcus has been found to utilise endosulfan, a chlorinated pesticide of the cyclodiene group as the sole carbon source. This is being investigated in details.

III. Research scholars

S.R.D. Jebakumar	— DST	— SRF	(Submitted thesis)
Tara Hariharan	— UGC	— JRF	
M. Vairapandi	— CSIR	— SRF	
A. Ahmad	— UGC	— FIP	
V. Santhanagopalan	— CSIR	— JRF	
G. Meera	IAEA	— JRF	
K. Anuradha	— CSIR	— JRF	
N.T. Ravindran	CSIR	— JRF	
G. Jegathesan	— DST	— JRF	(not yet registered)

IV. Conferences, seminars ete , attended by the faculty / student :

Name of the teachers	Name of the conference/ seminars attended and the place where held	Duration of the confer-ence	Topic of papers presented
Prof. J. Jayaraman	Asian and Ocean Bio-chemists Congress and Stellits Symposium on Molecular and protein engineering, Singapore	30-11-86 to 5-12-86	Salinity adaptation

1	2	3	4
Prof. J. Jayaraman	All India short term course on biological membranes, Madras	7-12-86 to 19-12-86	Lectures
M. Vairapandi	Embo intensive lecture course. Italy.	7-11-87 to 9-11-87	Transmembrane signalling
V. Santhana-gopalan	Society of Biological chemists in India	28-12-87 to 30-12 87	Metallothione

V. Research Activities :

Dr. Rajamanickam's group

a) Research work published during the year :

1. Rajamanickam, C. Arun Subramanian and T. Meenakshi : Post transcriptional regulation of RNA transport during cardiac hypertrophy 4th FAOB Symposium, Singapore (1987)

2. Arun Subramanian, T. Meenakshi and C Rajamanickam : Journal of Biologcial Chemistry, USA Submitted for publication (1987)

3. K.S.K. Balaji and C. Rajamanickam : Transcriptional stimulation of CYCI gene expression by hemin in cells of *S.cerevisiae* : possible mediation by a hemoprotein (1987) Cold Spring Harbor Symposium on "Molecular Biology of mitochondria and chloroplasts" 25-30th August, 1987

4, K.S.K. Balaji aud C. Rajamanickam : Transcriptional stimultion of iso - 1 cytochrome C (CYCI) gene expression by hemin in cells of *S cerevisiae* possible media by a hemoprotein. manuscript submitted for publication : Molecular and Cellular Biology (1987)

5. K.S.K. Balaji. G Gopalan and C. Rajamanickam : Nuclear regulation of mitochondrial biogenesis in yeast during glucose repression derepression : Invovlement of hemin in the expression of iso-1-cytochromic gene (1987)

6. Myosin heavy chair genes activation during the development of cardiac hypertropy

b. Research work under progress :

1. Gene expression during cardiac hypertrophy : Motecular cloning of myosin heavy chain genes : sponsored by DST, New Delhi.

2. Nucleocytoplasmic regulation of mitochondriogenesis in yeast: Role of heme in mitochondrionesis : sponsored by UGC, New Delhi.

3. Regulation of gene expression during cardiac hypertrophy : sponored by ICMR, New Delhi.

4. Gene expression during cardiac hypertropy : CSIR, New Delhi.

VI Research Scholars :

Name of the scholar	Name of the Supervisor	Degree for which regis-tered	Topic of re-search	Works publi-shed	Whether thesis submitied	Whether declared for the degree
Arun Subramanian	Prof. C. Rajamanickam	Ph.D.	Gene expression during cardiac hypertrophy			
K.S.K. Balaji	,,	,,	Regulation of mitochondrial bicgenesis			
M.Mariappan	,,	,,	Regulation of gene expression during cardiac hypertrophy			
N.Selvamurugam	,,	,,	Molecular cloning of myosin heavy chain gene			
R. Prabhakar	,,	,,	Regulation of gene expression during cardiac hypertrophy			
G.Jegadeesh Babu	,,	,,	Gene expression during cardiac hypertrophy			

VII. **Conferences, seminars etc. attended by the teacher during the year**

Name of the teachers	Name of the conference/seminars attended and the place where held	During of the conference	Topic of papers presented
Mr Balaji	Cold Spring Harbor symposium USA	25-8-87 to 20-8-87	Molecular Biology of mitochorndria and chloroplasst
Mr. Selvamurugan	Society of Biological chemists (56th Annual meeting (Sudia)	28-12-87to 30-12-87	—

DEPARTMENT OF CANCER BIOLOGY

I Research Activities of Dr. Shanmugam's group :

a) Publications **:**

Nagushanmugam, T and G. Shanmugam : S phase mouse embryo fibroblasts secrete varying amounts of a 45,000 dalton protein. Cell Biology International Reports. Vol 11. No 3 March, 1987 pp. 147-175 (1987).

Premeela, T., A.R. Augustine Rajakumar and G. Shanmugam : Endonucleolytic cleavage of *E coli* and PBR 322 DNAs by a placental DNA binding protein. Biochemistry International, Vol 14, No. 5, May 1987 pp 911-919 (1987)

Subramanian, M and G. Shanmugam : Secreted proteins of quiescent, serum-stimulated and overconfluent mouse embryo fibroblasts. J. Biosci. Vol 12, No 3, Sept 1987 pp. 281-287 (1987).

Jeyaseelan, R., T. Nagashanmugam and G. Shanmugam : Partial purification of a recombinase activity from human placenta and assay of recombination using rec-blot. Biochemistry International, Vol 15, No. 4 Oct. 1987 pp. 735-744, (1987).

Shanmugam, G. M. Subramanian, M. and T Nagashanmugam : Autocrine secretion of proteins by mouse embryo cells in culture. Curr. Trends in Life Sciences, XIII Biomembranes . Structure Biogenesis and Transport, pp. 99-102, 198.

b) Research work in progress :

1. DST scheme on "Molecular Mechanisms of Cell Proliferation : Studies on the intracellular and secreted proteins of resting and proliferating cells"

II. Research scholars registered for Ph.D. with the guidance of Prof. G. Shanmugam :

S.No.	Name	Topics	Present status
1.	M. Subramanian	Gene expression in Eukaryotic cells	degree awarded
2.	E. David	Studies on the regulatory macromolecules of the eukaryotic cells	working
3.	T. Nagashanmugam	Gene expression in Mammalian cells	-do-
4.	S. Srinivasan	Gene expression in cultured cell	-do-
5.	M.V.V.S. Varaprasad	Protein synthesis in Eukaryotes	-do-
6.	R. Jeyaseelan	Protein nucleic acid interaction	working

III. Conference Attended :

Prof. G Shanmugam attended Symposium on Frontiers of Biology at the Centre for Cellular and Molecular Biology, Hyderabad.

IV. Other Information :

Prof. G. Shanmugam was selected as Visiting Professor at the Department of Cell Biology, Vanderbilt University, USA from April 1st, to June 30th 1987 under the Department of Biotechnology, Senior Overseas Associateship Programme.

DEPARTMENT OF BIOTECHNOLOGY

I **Staff :**

Professor. Dr. K. Dharmalingam

Reader. Dr V. Sekar, — Genetics

DR. Vishakha Thaker : Pool Officer

II. **Research Activities :**

a. *Papers Published* :

1. PR. Kannan and D. Dharmalingam: Restriction alleviation and enhancement of mutagenesis of bacteriophage T4 chromosome in *rec BC sbcA* strin of *Escherichia coli.* Mol. Gen. Genet. *209* : 413 - 418(1987)
2. T. Valliammai, A. Gnanam and K. Dharmalingam: Heatschock response in Chlorella protothecoides. Plant Cell & Molecular Biology *28*: 975(1987)
3. S. Sozhamannan and K. Dharmalingam: Construction and genetic characterization of specilised transducing particles carrying the *rglB* gene of *E coli* K12 J. of Gen. Microbiol. (Submitted)

b. *Research work under progress* :

1. Mr. T. Rajapandi	–	Gene cloning in Shigella
2. Mr. R. Ramalingam	–	Genetic analysis and cloning of the *rglB* gene in *E. coli*
3. Ms. Mathumathi Rajavel	–	Cloning keratinase gene of S. fradiae in S. lividans
4. Ms. S. Mythili	–	Cloning protease genes of *S. coelicolor* and *S. fradiae*
5. Mr. S. Kumaravel	–	Gene amplification in Streptomyces
6. Dr. Rajan Prasad	—	Sequence analysis of *rglA* operon
7. Dr. (Mrs) Thaker	–	Regulation of extracellular protease production in Streptomyces

c. *Extra-curricular Activities* :

1	Chrirman	–	Task force on Microbial and Industrial Biotechnology, New Delhi,
2.	Member	—	Guha Research Conference
3.	Member	–	Science Advisory Committee, Department of Biotechnology
4.	Member	—	Research Advisory Council, Centre for Cellular and Mollcular Biology, Hyderabad.
5.	Member	—	Recombinant DNA Advisory Committee, Department of Biotechnology, New Delhi.
6.	Member	—	National Committee for International Union of Biochemistry (IUB)
7.	Member	—	American Society for Microbiology, USA.
8.	Member	—	Society of General Microbiology, LONDON.

III. Research Scholars :

Name of the scholar	Name of funding agencies	Degree for which registered	Topic of the researeh
Mr. S. Sozhamannan	DST	Ph.D.	Molecular and recombinant DNA analysis of *rgl* system: *rglB* gene
Mr. PR. Kannan	UGC	Ph.D.	Molecular mechanisms of SOS induction in bacteria
Mr. R. Ramalingam	CSIR	Ph.D.	Molecular and recombinant DNA analysis of *reglA* system
Mr. T. Rajapandi	CSIR	Ph.D.	Gene cloning in Shigella and E. coll
Ms. S. Mythili	UGC	Ph.D.	Gene amplification in Streptomyces
Mr. Ashitosh	Pond's India Limited sponsored candidate		

IV. Conference. Seminars etc., attended by the teachers/students during the year :

Name of the teacher/students	Name of the Conference	Place	Date	Topic of the paper presented
Dr. K. Dharma-lingam	Biology and Molecular Biology of Streptomyces	Pune	11-2-17 to 13 2-87	Chromosomal DNA amplification and genetic instability in Streptomyces
Dr. D. Dharma-lingam	Biotechnology Potential commercial benefits in India	Baroda	24-8-87 to 26-4-87	Genetics of antibiotics production in Streptomyces

V. Details of orientation courses, conducted by the Department during the calender year :

Name of the department	Seminar/Conference workshop conducted by the department	No. of delegates attended	Period From To	No. of teachers attended outside the Univrrsity
Biotechnology	Short term training course on Genetic Manipulation in Streptomyces	16	1-11-87 to 21-11-87	15
Biotechnology	Workshop of Curriculum Development in Biotechnology	50	5-12-87 to 6-12-87	50

DEPARTMENT OF IMMUNOLOGY

I. Staff :

Professor and Head : VR. Muthukkaruppan

II. Research Activities :

a) Research works published during the year :

1. Immunologic unresponsiveness in leprosy is m diated by modulation of E receptor. Immunology Letters. 15 (1987) p. 199 - 204.
2. Protective Immunity induced by outer membrane proteins of *Salmonella typhimurium* in mice. Infection and Immunity p. 816-821. Vol 55 No. 3 (1987)
3. An outer membrane preotin (porin) as an elicting antigen for DTH reaction in murine Salmonellosis Inf ction and Immunity. p. 822 - 824 Vol 55. No. 3 (1987).
4. Modulation of murine anti-SRBC response by Carrageenan : Possible mechanism, Immunology Letters (V. Palanivel) Vol. 15, pp. 335 - 339. (1987)
5. Hybridoma Manual - A laboratory guide - book (Macmillian India Limited 1987.

b) Research activities : i) Research paper submitted :

1. Effect of cyclosporin - A on murine experimental Salmonellosis. (Submitted to "Comparative immunology, microbiology Salmonellosis and infectious diseases)"
2. Protective immunity induced by porin, an outer membrane proteins, against Salmonella infection in mice (Submitted to Indian Journal in mice. (Submitted to Indian Journal of Medical Research)
3. Profile of antibodies to mycobacterial antigens in leprmatous and tuberculoid leprosy patients (Submitted to Int J. Leprosy)
4. Immunologic unresponsiveness in leprosy is due to the modulation of E-receptor (Submitted to Nature)

c) Research work under progress:

Major Research Programmes are :

1. Immunology of leprosy
2. Importance of outer membrane proteins in diagnosis of Typhoid
3. Aetiology of Eales' diseases
4. Immunological studies on lung fibrosis caused by Methyl-isocynate in mice.

1. Immunology of Leprosy:

The thrust of the study is to understand the mechanism of immunologic unresponsiveness in leprosy patients We have demonstrated that E-receptor (CD2) of T-lymphocytes is modulated in lepromatus patients and this modulation results in unresponsiveness to mitogen and antigens. Interestingly, this functional alteration of E-receptor can be brought about in T-cells of normal persons by prior iucubation with *M. leprae*. This finding is the basis for the collaborative projects under Indo-FRG exchange programme. The work is in progress to identify the *M. leprae* derived factor(s as well as to elucidate the mechanism and the molecular events resulting in E-receptor modulation. Attempts are also being made to explore the possibility of using the porportion of E-recetor positive cells for early diagnosis and prognosis Our another study relating to leprosy to understand the nature of antibodies to Mycobacterial antigens and how such antibodies are produced. It is well known that lepromatous patients have higher levels of antibodies than tuberculoid patients and controls. However, our study demonstrates the qualitative difference in these antibodies between two groups At present, efforts are underway to understand the meaning and cause for such differences.

2. Outer membrane proteins in typhoid:

The presently available tests for detecting the typhoid cases are not sensitive enough. A more sensitive, rapid and specific test is required. We have demonstrated in mouse that one of the outer - membrane proteins, porin is a good antigen for detecting typhoid infection, by both *in vivo* and *in vitro* methods. Survey is being made to validate these tests in humans using purified porin from *Salmonella typhi*.

Older vaccine (TAB) is known to be less efficient in inducing protection in humans. Newer vaccines are *S typhi* 21a and Vi polysaccharide antigens. The efficasy of these vaccines is still to be proved in India. On the basis of our entensive studies in mouse, we have shown the importance of porin in inducing protective immunity. The basic studies are underway to understand the immunogenecity of porin.

3. Aetiology of Eales' diseases :

This project has been undertaken as a part of Indo US Science and Technology Insitiative Programme on blindness. Blindness in Eales' disease is due to the extensive proliferation of retinal blood vessels, followed by vitreous haemorrhage The cause for this localized vaso-proliferations are not known. The salient findings of our studies are : 1. Both Montoux positive and negative conditions exist among Eales' patients. 2. *in vitro* lymphoproliferative response is highly exaggerated in Montoux positive patients than in Montoux positive controls.

3. Two new proteins have been identified in the serum of Eales patients. Studies are in progress to relate these findings with retinal vasopro' liferation.

4. Scientific Commission for continuing studies on effects of Bhopal gas leakage on life systems recently sanctioned a project on 'Immunological studies on Lung fibrosis caused by Methyl isocynate in mice" The main aims of the project are :

i) to develop an animal model for methyl isocynate (MIC) induced lung fibrotic disease in mice and to follow the seuqalae of pathologicall events leading to lung fibrotic disease employing histological and histochemical techniques.

ii) to look for the presence of MIC and to follow the presence of antibody to MIC and the localized immnne complexes in lung tissues during the pathological development of lung fibrosis.

iii) to generate monoclonal antibodies to MIC in mice system.

iv) to investigate the altered cellular respiration in lymphotcyes with the aid of Biological oxygen monitoring system as it is now known that MIC causes tissue level hypoxia and the resultant diminished cellular function.

Facilities are available for monocl nal antibody production by hybridoma techniques, T-lymphocyte cloning and Flow cytometric analysis by FACScan.

III. Research Scholars :

Name of the Supervisor : Dr. VR. Muthukkaruppan

Degree for which registered : Ph D

Works published Refer II a)

Name of the scholar	Topic of research	Whether thesis submitted
V. Udhayakumar	Identification and characterization of protective cell was antigens to Salmonellosis in mice	Ph D declarred
N. Rajeswari	Profile of the immune respone to outer membrane of proteins of Salmonella typhimurium in the mouse Salmonellosis model	Ph.D. submitted
M.M. James	Studies on the antibody response to mycobact rial antigens in leprosy patients and contacts	Ph.D. registered
S. Muthukumar	Analysis of the cellular mechanisms in antibacterial immunity in mouse experimental Salmonellosis using Cycloporin-A	-do-
H.R. Chakkalath	Studies on the inter-relationship between circulating immune complexes and cellular mechanism	-do-
R. Kalpana	Studies on the circulating immune complexes in certain diseases	-do-
S. Malarkannan	Receptors and functions of Lymphocytes in leprosy patients	Ph D. registered
R. Sheela	Mechanism of Immunologic unresponsiveness in leprosy	—do—
V. Palanivel	Modulation of murine anti SRBC response by carrageenan : possible mechanism	P.h D. declared

The main purpose of the visit was to carry out specific experiments on human lymhocytes using certain monoclonal antibodies and a new equipment called Fluorescent Activated Cell Sorter (FACS) as outlines in the application. This study was with reference to the understanding of the mechanism of unresponsiveness in leprosy patients. The basic understanding on the nature and function of E-receptor on T-cells was available in the host laboratory. This has provided an useful interaction to the visiting scientist who is well-informed on the immunology of leprosy.

The visiting scientist delivered a seminar on the importance of E-receptor in the immunologic unresponsiveness in leprosy-the work carried out in India. The studies made in the host laboratory has confirmed the findings in India and also formed the basis for further visit of German Scientists to the Indian Laboratory to study the nature of E-receptor on T-cells of leprosy patients.

Country visited : Dept. of Zoology, University of Wisconsin, USA.

Period of visit : 19th May to 18th May 1987

During the period of stay at the University of Wisconsin, the following studies have been made.

1. Raising Monoclonal antibody to porin, purified from the outer-membrane of *S typhimurium*, 17 hybrids were obtained Out of which 2 have been cloned, secreting IgM antibodies which react specifically to porin isolated from *S.typhii* and *S typhimurium*. Two other clones were found to be highly cross reactive. Attempts are being made in Madurai to make use of these monoclonals to develop immunodiagnostic test for typhoid fever.

2. Angiogenesis induced by macrophage cell-lines. This is the continuation of the earlier studies using the mouse corneal model. The major finding was that the pattern of angiogenesis induced by this cell line is different from that of tumour cell.

3. Given a seminar on "Studies on the etiology of Eales' disease" on 24th June 1987 at NEI, NIH, Bethesda, USA.

IV. Details of Seminars, Orientation course, Summer Institutes and Conferences conducted by the Department during the calender year.

A BRIEF WRITE - UP ON THE TRAINING COURSE ON MODERN IMMUNOLOGICAL TECHNIQUES

This 21 day all India level training course, sponsored by the Department of Biotechnology, New Delhi was inaugurated by Dr. S. Krishnaswamy, Vice-Chancellor, Madurai Kamaraj University on 2-11-87. This is the second course conducted by the Department of Immunology: the first one was held in 1985. Seventeen participants from eight States have been undergoing training on several Immunological techniques including lymphocyte cloning and Monoclonal Antibody production by Hybridoma Technology. These are the most recent techniques useful for **the** develop ment of Immunodiagnostic reagents and vaccines communicable diseases, thus forming an useful component of biotechnology for health related problems.

3. An outer membrane protein as vaccine & soliciting antigen in murine Salmonellosis.

Given a lecture on Aqua Terr day Our recent studies on leprosy	April 29th 1987	CVR Hall, M K. University
Given a lecture "Update in laboratory Medicine"	7th & 9th Aug. 1987	Indian Medical Assn., Bangalore
In depth dicussion on "Immunology-bresent and future needs"	Oct. 19th 1987	INSA, New Delhi
Lecture on "Recent advances in Pasic immunology-on over view" at the workshop aspects and Laboratory methodologists	Nov. 19th 1987	Indian Institute of Science, Bangalore
Programme Advisory Committee to evaluate the DST projects on Immunological control of Tropical & communicable diseases	Nov. 27th 1987	Chaired the PAC at DST, New Delhi
Given seminar on "The mechanisms of immunologic unresponsiveness in leprosy"	28th & 29th Nov. 1987	Jalma, Agra
Member of Group monitoring committee in the area of Medical Biology - attended for the evaluation of DST projects	Nov. 30th 1987 to Dec. 2nd 1987	All India Institute of Medical Sciences, New Delhi

Given a lecture on Application of Immunology in Clinical Medicine	Dec. 6th 1987	Madurai Medical College Madurai
Guha Research Conference	11& 5th Dec. 1987	Importance of CD2 receptor Modulation in Immune supression in leprosy

Other General information

V **The Head of the Department, Professor VR. Muthukkaruppan is :**

1. National Fellow - UGC
2. Convenor - COSIST, School of Biological Sciences, M.K. University
3. Member - Programme Advisory Committee, DST, New Delhi
4. Member - Scientific Advisory Committee - Task Force on Medical Biology DST. New Delhi.
5. Editor Board member - Indian Academy of Sciences

The participants have learnt to raise monoclonal antibodies to a protein from typhoid bacilli, human T-lymphocyte receptors and Mycobacterial antigens. The T-lymphocyte clones were developed from human volunteers on the basis of their reactivity to antigens such as tuberculine and tetanus toxiods.

The emphasis is placed on the teaching of both basic principles and laboratory procedures for each of the techniques. More than 70% of the time was spent in the laboratory and adequate facilities were provided to the participants to do many experiments by themselves. The participants coming from different institutions such as National Institute of Virology, Jalma and Chingleput Leprosy Research Centres, Haffkine Institute, Veterinary Institute, Medical Colleges, Universities, CSIR Institutes, Bhabha Atomic Research Centre and Agricultural Universities have acquired a fairly good background on Immunology and immunological techniques and therefore there is a good prospect that at least some of them could be able to make use of this training in their future research programmes in their respective institutions.

Dr. VR Muthukkaruppan, Professor & Head, Department of Immunoiogy, the Course Director, has been assisted by Dr. K. Kannan, Research Associate, Dr. C N. Paramasivan, Deputy Director Tuberculosis Research Centre, Madras and by Dr Francesco Sinigaglia. F Hoffman La Roche & Co Ltd., Basle, Switzerland as well as by his Research Scholars.

The department has given training for the two candidates :

1. Mr M. Parthiban, Biochemist, MMC, Madras : 16-22 Feb. 1987
2. Mr. R. Sheel Devi, Dept of Physiology, PGIMBS, Taramani, Madras.

VI. Conferences, Seminars, etc., attended by the teachers during the year :

International Seminar on "Immunodiagnostic procedures as on essential aid in lab. medicine"	6th to 8th Jan. 1987	PGIMBS, Taramani, Madras
Workshop on Immuno-diagnostic Delivered 4 lectures	28th Jan. 1987	Osmonia University Hyderabad

1. Physiology of immune response
2. Mechanism of cell-collaboration in immune response
3. Development and functions of T & B lymphocytes
4. Mechanism of antigen recognition by T-cells.

To give guest lectures as Visiting Scientist :

1. Mechanism of antigen recognition by T-cells 17 & 18-3-87 PGIMER, Chandigarh
2 Importance of CD2 receptor (E-receptor) in health & diseases.

UNIT OF IMMUNOGENETICS

I. Staff :
Professor RM. Pitchappan :
II Research Activities :

a] Research work published during the year:

1. Pitchappan, RM. : HLA and India, In: "HLA in Asia-Oceania 986", Edts. M. Zizawa, et al , Hokkaido University Press, Sapporo, Japan.

2. Pitchappan. RM., Kakakainah V N., Manickasundari, M., Brahmajothi Bai, V., Mahendran, V , Chandramohan, R., Sivasakthi. A , Amaraj, S., Subash, M and Rajasekar, R. 1986 HLA & Sourashtrans. In: "HLA in Asia Oceania 1986" Edts. M. Aizawa, J et al. Hokkaido University Press, Sapporo, Japan.

3. Pitchappan, RM. and Omori, K. Cw2, Cw5, Cw7 & Cw8, 1986. In: "HLA in Asia-Oceania 1986" Edts: M. Aizawa, et al. Hokkaido University Press, Sapporo, Japan.

4. Mehra, N K., Taneja, V., Chaudhuri, T.K , Kailash,S., Bin A J, Chang, S.X., Howkins, B.R & Pitchappan, RM.: Pulmonary Tuberculosis. In: "HLA in Asia-Oceania, 1986" Edts: M. Aizawa, et al. Hokkaido Unversity Press, Sapporo, Japan.

5. Sazasuki, T., Matsushita, S., Nakamizo, Y., Muto, Matsumoto, H., Suzuki, K., Wang, T H., Contractor, N M Pitchappan, RM., Charoenwongse, P., Lingao A.L. Seghal, S., Singh, T., Mehra, N.K , Y.P. & Song F-Q 1986 HLA and psoriasis in Asian populations. In: "HLA in Asia-Oceania 1986", Edts. M. Aizawa, et al. Hokkaido University Press, Sapporo, Japan,

b] Research work in progrese :

1. Rajasekar, R , Kakkaniah, V.N. & Pitchappan, RM. 1987 HLA antigens in India II. Caste groups of Tamil Nadu, Tissue Antigens.

2. Manickasundari, M. & Pilchappan, RM. 1987: Thymus - an effector organ Ind J. Exp. Biol.

3. Manickasundari, M., & Pitchappan RM, 1987: Characterization of heterologous anti-lizard (Calotes versicolor) thymocyte serum which identify the functions of thymic lineage Deve, Comp. Immunol

4 Selvaraj, P & Pitchappan, RM. 1987 Post hatching development of the immune system of the pigeon, Columba livia Dev. Comp Immunol.

c] Extra - curricular activities :

Co - ordinator: Sixth Science Semmelan Madurai Kamaraj University and All India Radio, Sept. 13-20, 1987

Establishment of Unit of Immunogenetics :

Considering the progress made in this field of Immunology and recognizing the service offered by the HLA Tissue Typing Laboratory, the Education Department, Government of Tamilnadu sanctioned Rs 6.25 lakhs towards establishing this unit. The unit has been established in the newly constructed building for HLA Tissue Typing Research, measuring 4000 sq. ft. This unit is equipped with Automatic microscopic reader, computer for data base, Health and Mobile Laboratory. It consists of one Faculty (Professor), seven Research students, one Medical Officer, three laboratory technicians and two laboratory attenders. It is the aim of this unit to bridge the gap between basic and applied research.

d) Research work under progress

A Computer data base for HLA has been organized All programme to analyse PF, GF, serum screening, relative risks, haplotype frequencies, genetic distance have been developed using a dedicated Apple IIe system towards the purpose. By this, one can retrieve and analyse data with minimal time loss. A new microprocessor computer with winchester drive is to be procured to cope up with the work load and to store and process the massive data obtained,

HLA DR screening utilizing PATT technique has been successfully employed and as a result our current DT typing tray 'DR3' consits of 57% (32 Nos) of our local sera. This includes DR DRc, & DQ specificities. Further sera are used in our HLA-A,B typing.

Studies on HLA-A, B, C, DR & DQ antigen and haplotype frequencies have revealed unique haplotypes present in this population, They differ from other North Indian samples. Once they are divided into endogamous caste groups and major groups each group has their own HLA profile. This make it obligatory to study any disease in a given caste group not in the population as a whole.

Thus, Kallar have haplotype A10-B8, common in North India and Mediteranean, supporting their origin and migration 10,000 years ago, Nadars are unique in their haplotypes Vellalar share A?-B7 with Caucasian.

Brahmins paradoxically do not possess any Caucasian haplotype, instead have Mongoloid haplotypes like Aw33 Bw44. A2-B40 is very common in South Indian samples and particularly in Major Group I.

The typical Caucasian haplotype A1-B8 is virtually absent in India. Their absence in Brahmins, amply confirmed to be Caucasoid by other studies, suggests that Indian subcontinent do not favour this haplotype. Instead A1-B17 is the commonest in India and highest frequency in Tamil Nadu and Andra Pradesh: Does it afford any selection advantage?

Studies on 72 Sourashtrans revealed that their haplotypes are more skin to North Indians and Iranis: their origin at Sourashtrean peninsula is supported by this They possess Aw33, Bw33, B35 DR5, & DR7 at a higher frequency. They do not seem to have acquired any new haplotypes in this new environment during the past 700 years. Presumably it would take longer time for Natural selection to operate on thee haplotypes.

Geneology of Kottaipillaimars of Srivaigundam, a known isolated community hitherto living inside a mudfort, revealed a total population of only 96 in the community. This endogamous (Vellalar) community can be restricted to seven linkages. HLA typing is to be carried out on a maximum possible number of people to study the polymorphism in them.

HLA studies on 324 number of tuberculosis random patients have not yielded any strong association with any particular antigen : However, in one of the sampling All-Bw 35 appeared to be high in their incidence. Studies on Kallar community suggested only marginal differences in their antigen frequencies which do not stand on correction for number of alleles studied.

Tuberculosis case history study on 325 patients attending. Tuberculosis Clinic revealed a preponderance of the disease around 20 years in males and 20 to 40 years in females. Further 25 to 30% of patients belonged to Major Groups 1, 2 & 3 and Kallar belonging to Major Group 2, accounted for 10% of the total sample. It is essential to mention that Leprosy and Tuberculosis is endemic in many of these Kallar Villages. Anthropologically, genetically and HLA wise they are different from all others : Could this genetic distinctness be a factor predisposing them? However, HLA study on Kallar tuberculosis samples is yet to provide a clue.

Towards the Immunogenetic aspects, Mantoux skin test with 2TU of PPD RT23 on 62 medical students, doctors and nurses, who must have

invariably been exposed to tubercule bacilli as an occupational hazard were carried out : a time coure kinetics were also made. Their mean age was 25 + 0.53 years 22% (16 persons) did not show any reaction, 13% (9) showed '10mm and 65% (17) showed a reaction of "10mm. The time course kinetics revealing that different people showed peak reactions, different days following testing (4 on 1st day; 21 on 2nd; 16 on 3rd; 7 on 4th day). Does this mean some are slow (low) and others are fast (high) responders? HLA profile of these people are studied. An agarose microdroplet assay has been standardized and it to be used to further confirm this in vitro using various mycobacterial antigens

The sera of all tuberculosis patients studied have all been stored and IgA, IgB IgM levels are assessed using Macini technique. The ELISA technique to detect Mycobacterial strain specific antibodies in patients have been standardized and used to measure the antibody levels.

We participated in III Asia Oceania Histocompatibility Workshop and Conference 1986 and carried out typing on 375 cells. Studies on Psoriasis revealed a classical, Caucasian association of B17 and particularly Al-Bw57 A tuberculosis sample studied under this workshop however did not yield a soloution However, HLA All and Bw 35 alleles show a higher correlation : a more controlled studied is planned. The whole aim of these studies is to have a comprehensive approach to understand the Genetic Epedemilogy of various diseases prevailing in this region.

Service Offered : A total number of 33 End State Renal failure patients and their family members and donors have been tissue typed. HLA-DR typing is now routinely offered for these patients : Four patients with Leukemia and their families have also been typed for bone-marrow transplantation : these patients were to be transplanted with the bone-marrow of a HLA matched sibling, so that they get rid of leukemia and get new blood cells. These were to be carried out in Western countries; but earnest effort is made at Christian Medical Colege Hospital, Vellore with the help of this unit of immunogenetics to perform bone-marrow transplantation in Tamilnadu itself.

III. Research Scholars :

Name of the scholar	Degree for which registered	Topic of Research	Whether thesis submitted
Kakkaniah, V.N.	Ph.D	Studies on the association of Human Leucocyte antiken (HLA) with selected diseases in South Indian population	Yes
Brahmajothi Bai, V.	,,	Studies on the HLA system in health and disease among selected groups of Tamilnadu	No
Mahendran, V.	,,	Studies on the Immunogenetic basis of disease susceptibility	No
Shanthakumari, M.S.	,,	Studies on HLA system and disease association	No
Sasidhar mulugu	Not Regd.	Studies on the HLA polymorphism and its implications in health and disease	No
Balakrishnan, K.	,,	Studies on the distribution of HLA antigens in various populations of Tamilnadu	No
Sankar Kumar, U.	,,	Studies on the HLA system and immune responses in the population of Madurai	No

IV Conference and Symposium Conducted :

Name of the Conference conduted by the Unit	No. of delegates attended	Period
National Symposium on "HLA in Human genetics and XII Annual Conference of Indian Society of Human Genetics	250 delegates	26-28th Oct. 1987

Conferences and Seminars attended :

Name of the conference/ seminars attended and the place where held	Duration of confernce	Role	Topic of papers published
UGC Workshop on Immunology cell & Molecular Biology Laboratory, Dept. of Zoology Osmania University, Hyderabad - 500 007.	19-1-87 to 8-2-87	Guest lecture	Major Histocompatibility complex
Indo-US Short term coure on the Molecular and Cellular Biology of the T-lymphocytes, Dept. of Biotechology A.I.I.M.S., New Delhi	29-11-87 to 12-1-87	—	Teaching faculty
VI Congress of the International Society of Haematology Asian Pacific Division	4-12-87 to 10-12-87	—	Symposium speaker

Awards & Honours :

1. Member 1985 to 1987 INSA . IUIS Committee for Immunology

DEPARTMEET OF MICROBIOLOGY

I Staff :

Professor Head & Co-ordinator

Dr. M. Lakshmanan

Professor

Dr. S. Shanmugasundaram

Reader

Dr. P. Gunasekaran

II. Research Activities :

a) Research works published during the year :

1. Nadin Brestic Goahchet, P. Gunasekaran, B. Cami and J.C. Baratti : Transfer and expression of broad host range vectors in *Zymomonas mobilis* Biotechnol. Lett. *9* (1) : 13-18. 1987.

2. Karunakaran, T., and P. Gunasekaran : Studies on flocculation of *Zymomonas mobilis*. Curr. Sci. *56* (4) : 188-190. 1987.

3. P. Gunasekaran, P. Sundaresan, N. Ubalthoose Raja and M Lakshmanan : Effect of PH, temperature and nutrients on the germination of a VAM fungus *Glomus fasciculatum in vitro*. Proc. Indi. Acad. Sci. (Plant Sci.) 97 (3) : 231-234 1987

4 P. Sundaresan, N. Ublthoose Raja, P. Gunasekaran and M. Lakshmanan : Reponse of two VA mycorrhizal fungi on *Vigna unguiculata* L. Walp. J. Swamy Bot. Cl. *4* : 33-37. 1987

b) Research work under print :

1. N.R. Kamini and P Gunasekaran (1987) Simultaneous ethanol production from lactose by *Kluyveromyces fragilis* and *Zymomonas mobilis* Curr. Microbiol.

2. H. Nelliah, T. Karunakaran, and P. Gunasekaran : Ethanol fermentation by Zymomonas mobilis NRRL B-4286, A new efficient strain. J. Fermentation Technology 1987

3. P. Sundaresan, N. Ubalthoose Raja, P. Gunasekaran and M. Lakshmanan : Studies on nitrate reduction by VAM fungal spores.

c) Research work under progress :

1. *Azotobacter* as biofertilizer
2. Depressed mutants of *Azotobacter*
3. Plasmids of *Azotobacter*
4. Microorganisms and toxic metal pollution of the soil
5. Microbial diseases of fishes
6. Microbial degrdation of tannery effluents
7. Development of host vector system for molecular cloning in *Zymomonas mobilis*.
8. Bioethanol production by *Z. mobilis*
9. Genetics of *Z. mobilis*
10. Isolation and culturing of VA mycorrhizal fungi
11. Studies on microbial proteases

d) Extra-Curricular activities :

Professor M. Lakshmanan

1. Serving as a member of the Youth Welfare board
2. Member Microbiology panel of the ICAR, New Delhi.

III. Research Scholars :

Name of the scholar	Degree for which registered	Topic of research	Whether delcared for the degree
T. Karunakaran	Ph.D. (P. Gunasekaran)	Genetic improvement of *Z mobilis* with reference to bioethanol production	No.
A.G. Mukundan	Ph.D. (P. Gunasekaran)	Biochemical & genetic aspects of *Z. mobilis* with special reference to surcrose fermentation	No.
N. Nelliah	Ph.D. (P. Gunasekaran)	Ethanol production studies using *Z. mobilis*	No.

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N.R. Kamini	Ph.D. (P. Gunasekaran)	Biochemistry and genetics of *Z. mobilis* with reference to conversion of starch into ethanol	No
N. Ubalthoose Raja	Ph.D. (P. Gunasekaran)	Studies on a cowpea mycorrhiza with special reference to hostfungus interaction	No
P. Sundaresan	Ph.D. (P. Gunasekaran)	Factors controlling interaction between host plant (cowpea *Vignaunguiculata* (1) Wal.) and the mycorrhizal fungus (*Glomus fasciculatum)* Thaxter senu Gerdemann) Gerdemann and Trappe	No
A.P. Lipton	Ph.D. (M. Lakshmanan)	Studies microbial diseases of some commercially imdortant fresh water fishes	Yes
S. Selvamani	Ph.D. (M. Lakshmanan)	Genetics of nitrogen fixation	No
V. Martin Jude incent	Ph.D. (M. Lakshmanan)	Biological control of *Oryctes rhinoceros* with special reference to host - pathogen relationship	No No
S. Lakshmisubramanian	,,	Genetics of nitrogen fixation with special reference to *Azotobacter chroococcum*	No
K Sundar	,,	Studies on diseases of freshwater fishes with special reference to infection by *Aeromonas* sp	No

1	2	3	4
R. Ajay Kumar	Ph.D. (M. Lakshmanan)	Biochemical and genetic studies on microbial degradation of tannis	No
S. Prabakaran	Ph.D.	Studies on microbial proteases	No
G. Sanjeeviraj	,,	Studies ....marine fishes	No
Mrs. P. Gandhi	Ph.D. (M. Lakshmanan)	Studies tanning	No
Miss V.A. Subadra	,,	Studies pests	No

IV. Conference, Seminars etc., attended by the teacher during the year :

Name of the teacher	Name of the conference/ seminars attended and the place where held	Duration of the conference	Topics of papers
Dr. M. Laksh-manan	4th FAOB Congress of the Federation of Asian and oceanion Biochemists	30-11-87 to 5-12-87	Toxin induced alteration of membrane structure and functions during Cotton wilt disease
Dr. P. Guna-sekaran	Gene cloning microbial productivity and down stream processing of biologicals. Anna |University, Madras	19-1-87 to 21-1-87	Ethanol production by *Z mobilis*
Dr. P. Gunasekaran	Promiscuous plasmids of gran negative EMBO workshop Birmingham University Birmigham, U.K.	20-7-87 to 24-7-87	Use of broad host range vectors for molecular clong in *Z. mobilis*

Research Activities :

Dr. S. Shanmugasundaram

a) Research works published during the year :

1. Subramanian. G and Shanmugasundaram, S : FEMS, *37* : 151-154. 1987
2. Thomas, P.S. and Shanmugasundaram, S : Microbios Letters, UK, *33* 115-120. 1987.
3. Subramanian, G. and Shanmugasundaram, S : Photosynthetica, *20* : 442 - 446. 1987.
4. Subramanian, G. and Shanmugasundaram, S : Proc. Indian Natn. Sci. Acad. *52* : 308-212.
5. Subramanian, G. and Shanmugasundaram, S : Indian J. Environ, HLTH *28* : 250- 253.

V. Research scholars :

Name of the Supervisor : Dr. S. Shanmugasundaram

Na of the scholar	Degree for which registered	Topics of research	Whether declared for the degree
P. Selwin Thomas	PhD.	Studies on nitrogen fixing blue-green algae	No
R. Shenbagarathai	PhD.	Cyanophage As-1 gene expression	No
P.M. Murali	PhD.	Studies of a cyanobacterial gene	No
K.R. Nalina	PhD.	Genetics of Azobacterchrococum with special reference to harmones and nitrogen fixation	No

DEPARTMENT OF MOLECULAR BIOLOGY

I. Staff :

Professor : R. Jayaraman

II. Research Activities :

a] Research papers published during the year :

1. Balachandra Dasi, S and R. Jayarman: Modulation of gene expression by the product of fitA gene in *Escherichia coli* Vol 12, No. 3 pp 229 - 237, 1987.

2. M. Hussain Munavar and R. Jayaraman: Extragenic suppression of the temperature-sensitivity of a fitA mutation by a fitB mutation in *Escherichia coli* : possible interaction between fitA and fitB gene products in transcription control. J. Genetics Vo. 66: No.2, pp 123-132; 1987.

3. K.R. Kumaresan and R Jayaraman: SOS independent survival against Mitocyin C induced lethality in a Rifampicin - Nalidixic acid resistant mutant of *Escherichia coli* - communicated:

III Research Scholars :

Sl. No.	Name of the scholar	Degree of which registered	Topics of research	Whether declared for the degree
1.	Radhika Warriar	Ph.D.	Regulation of Macromolecular processes	YES
2.	Devandranath Simha	Ph.D.	Antibiotic-Microbial Interactions	No
3.	K.R. Kumaresan	Ph D.	Genetic of Macromolecular processes	No
4.	N. Ajitkumar	Ph.D	Genetic transactions between bacteria and their plasmids	No
5.	M. Hussain Munavar	Ph.D.	Control of macromolecular metabolism	No

DEPARTMENT OF PLANT MORPHOLOGY AND ALGOLOGY

I Staff :

Professor. **D Padmanabhan**

a) *Research works published during the year* :

1. D. Padmanabhan : Embryogenesis in Sagittaria saggitifloia - A short Review. Photomorphology Vol. 37 1987

2. D. Padmanabhan, C. Sudhersan and A. Rajamarthandam: Floral proliferations in fruits of Borassus filabellifer L. Swamy Bot. Cl. 4 : 97 - 98 1987.

b) *Research work under print*:

K. Jibi Manual, G. Sudhersan and D. Padmanabhan: Unusual trichomes and scales in two species of Calamus. Jl. of Singapore National University. 1987

C. Sudhersan, and D. Padmanabhan: On glomerule formation in embryo cultures of Phenix loureirii (Plant Cell Letters)

c) *Research work under progress*:

Studies on rattan palms, flora of Anna District

Seminars and Symposia attended :

1. Symposium on tissue culture of forest trees held at Kuala Lumpur. Read a paper entitled "Rattan research and tissue in South India" June 15 - 18-1987.

2. International Rattan Seminar held at Thailand. Presented a paper entitled "Laminoids in leaf cultures of a rattan palm" Nov. 12 - 14th 1987.

The following research schemes are in progress:

1. "Explant potentials in coconut cloning" (CSIR, New Delhi)
2. "Studies of rattan palms of South India" (UGC, New Delhi)
3. "Flora of Anna District" Botanical Survey of India.

II. Research Schemes and Research Scholars:

1. C. Sudhersan - JRF B.S.I. scheme of Flora of Anna Dictrict
2. R. Illagovan - JRF UGC scheme on Rattan palms
3. Jibi Manual - JRF UGC scheme on Rattan palms

DEPARTMENT OF PLANT SCIENCES

I. **Staff** :

Professors : Dr. A. Gnanam:
Dr. G. Kulandaivelu

Reader :

Dr. Kailash Paliwal

Lecturer :

Dr. Mannar Mannan

III **Research Activities** :

Dr. C. Kulandaivelu :

1. Kulandaivelu, G. and S. Periayannan : Effect of ultraviolet-C radiation (254 nm) on the photosynthetic membranes of Anacystic nidulans. In : Current trends in Life Sciences XII Biomembranes : Structure, genesis and Transport. pp. 255 - 269. Today & Tomorrow, New Delhi.

2. Kulandaivelu, G. and A.M. Noorudeen : Ultraviolet-C radiation induced changes in chloroplast ultrastructure. Plant Physiol. and Biochem. 13 : 90-98 1986.

3. Kulandaivelu, G. and V.M. Maruthappan : Characteristics of leaf epidermal transmittance and ultraviolet-B attenuation and the influence of light spectrum during growth plant. Physiol. & Biochem. 13 : 82-89, 1986.

Under Print :

1. Kulandaivelu, G and V. Nedunchezhian Action of supplemental monochromatic visible light on UV - C induced changes in the photosynthetic apparatus of *Anacystic nidulans*. J. Photochem. Physiol.

2. Kulandaivelu, G., V. Geetha and K. Lingakumar : Possible inhibition of water oxidizing complex of photosynthesis by ultraviolet-A (365 nm) radiation. Proc. Ind. Nat. Sci. Acad.

3. Kulandaivelu, G.V. Ravi and A. Thangaraj : Hydrogen photoproduction by algae and higher plants : Optimal conditions for polarographic determination. Proc. DNES Conference, Kolkhapur.

Dr. Kailash Paliwal :

1. David W. Lee, Kailash Paliwal, K A. Patel and D.A. Sen : Leaf optical properties of some Indian plants. Curr. Sci. 18(55) 923-925. 1986.

2. K. Natarajan, Kailash Paliwal and A. Gnanam : Biomass and leaf arts relationship in Leucaena leucophala Lam. Photosynthetics 1987.

3. S. Maris Victorial Rani, K. Muthuchilan and Kailash Paliwal : Copper toxicity of Cu^{2+} and Cd^{2+} on chlorophyll biosynthesis & RNA. Annals of Plant Physiol. Vol 1 : (2) Nov. 1

Dr. Mannar Mannan :

1. Mannar, R.M and Boss, S. 1987 Changes in the cartionic regulation of excitation energy distribution in the thylakoid membranes isolated from wheat seedlings treated with BASF 12, 338 Plant Physiol. 67 : 17 - 19.

Papers in Press :

1. S. Krishnaswamy, Mannan, R.M Krishnan M. and Gnanam, A : Heat shock response of the chloroplast genome in Vigna sinensis. J. Biol. Chem. 1987.

2. Mannan, R M. Subbiah, C.C. and Gnanam, A : Induceable responses to DNA damage in the cyanobacterium Anacystis nidulans. Pl. Cell. Physiol.

III. **Research Scholars** :

Name of the Supervisor : Dr. G. Kulandaivelu

Name of the scholar	Degree of which registered	Topic of research	Whether declared for the degree
S. Periayanan	Ph.D.	Photosynthesis	No
V. Geetha	,,	,,	No
K. Lingakumar	,,	,,	No
A. Thangaraj	,,	,,	No
Annamalinathan	,,	,,	No

1	2	3	4
Eswaran	,,	,,	No
K. Nedunchezian	,,	,,	No
Name of the Supervisor : Dr. A. Gnanam			
C.C. Subbiah	,,	Chloroplast Genetics	No
S. Krishnaswamy	,,	,,	No
B. Muthukumar	,,	,,	No
Name of the Supervisor : Dr. Salil Bose			
R. Santhanam	,,	Photosynthesis herbicides and Pesticides	No
M. Renganathan	,,	Photosynthesis herbicides and Pesticides	No
G. Sundramoorthy	,, ,,	Photosynthesis herbicides and Pesticides	No
Name of the Supervisor : Dr. Kailash Paliwal			
K. Muthuchelian	,,	Ecophysiology	No
K. Natarajan	,,	,,	No
T.K. Karunaichami	,,	,,	No
S. Maria Victoria Rani	,,	,,	No
Haribhaskaran	,,	,,	No
K. Manoharan	,,	,,	No

IV. Conferences, seminars etc., attended by the teachers during the year :

Name of the teachers	Name of the Conference/ seminars attended and the place where held	Duration of the conference	Topic of papers presented
G. Kulandaivelu	INDO-USSR workshop on photosynthesis, JNU,	2-3-87 to 7-3-87	Possible site of UV-A inhibition of electron transport system
-do-	Indian Council Society meeting, Kolhapur	22-11-87 to 26-11-87	Hydrogen photo-production by biologial system
Dr. Mannar mannan	INDO-USSR bina-tional symposium on photosynthesis under Envinonmenat strees, JNU, New Delhi.	3-3-87 to 7-3-87	—

CENTRE FOR BIOLOGY EDUCATION (CBE)

I. Staff :

Honorary Director : Dr. S. Krishnaswamy
M.Sc, Ph.D., Ph.D., D.Sc., (Southampton)

: Dr. J.C.B. Abraham M.Sc., Ph.D.

Assistant Honorary Director

Readers :

1. Dr. P. Jayachandran Gabriel M.Sc., M.Ed., M.Phil., Ph.D.
2. Dr. K. Rajakumar, M.Sc., B.Ed., M.Phil., Ph D.
3. Dr. (Mrs) Anandavalli Mahadevan, M.Sc., Ph.D.

II. Academic Activities of the centre :

1. Publication of Journal of Biology Education (quarterly)
2. Monographs published :

   a) Curriculum for teaching sericulture - Dr. S. Mathavan

   b) Biology - Dr. S. Krishnaswamy

   c) Hybridoma techniques - Dr. VR. Muthukaruppan

   d) Evolution - A lab. manual - Dr. J.C.B. Abraham

III. Workshop conducted / assisted :

1. Syllabus restructuring in Biotechnology - Dr. K. Dharmalingam
2. Environmental Awarness Campaign : Zonal/State level - Dr. (Mrs) Anandavalli Mahadevan
3. Science Sammalan - Dr. RM. Pitchappan

IV. Preparations on the way :

1. Updating M.Sc., Botany Syllabus with activity specialization and task demarkation.
2. Pamphlet on Model Biology Laboratory with its accessories and resources.
3. Higher order objective question Bank in Biology

Dr. Gabriel, J. P :

a) Research Publications :

1. Educational Technology and Research in Higher Education - Journal of Higher Education (Press)
2. "Interaction of Learning Potentials and Learning Strategies in Individualized Collegiate Biology Instruction"- Indian Dissertation Abstract (Press)
3. "Which Learner for What Strategy" - British Journal of Educational Technology (Press)
4. "Strategy option by Learning Potential" - Journal of Educational Psychology (communication)
5. "Technology - Towards Strategy Selection individualized Science Instruction" - Journal of the All India Association for Educational Technology (accepted).

b) Research work under progress :

i) Learning Cycle - a new dimension in human learning rhythm

ii) Biology Syllabus restructuring and updating

iii) Storage and retrival from informatrix the higher order cognitive question in Biology

iv) Materials for Radio-vision

v) Laboratory Mannual on Plant Physiology

c) Papers Preparations :

i) All India Association for Educational Thehnology Conference - Calcutta, Dec. 1987.

ii) Modern Technology and Higher Education, Madurai Kamaraj University, Madurai Sept. 1987

iii) Inter-Disciplinary Research Design - Education Department Madurai Kamaraj University, Madurai

d) Radio Talk :

i) Biology Teaching Resource - AIR, Trichy, Sep. 87

e) Resource persons for :

i) Environmental Education - Zonal and Regional level. Sept. / Dec. 87

ii) Academic Staff College - Bharathidasan University, Trichy, November 1987.

iii) Biology Education - I C.C & C.E., Madurai Kamaraj University, Madurai – Contact and Campus Programmes.

Dr. K. Rajakumar

a) Research work under :

i) Preparation of a phamplet for model biology laboratory for college.

ii) Preparation of a phamplet for a model biology laboratory for school.

iii) Preparation of materials for radio-vision.

iv) Up-dating M.Sc., Botany syllabus.

v) Preparation of Question items.

vi) Laboratory manual in Microbiology.

b) Extra - curricular Activities :

1. Science Sammelan : Served as a Resource Person - 13th-29th Sep. 87.
2. Seminar attended : Modern Technology and Higher Education organized by the Dept. of Education, Madurai Kamaraj University, Madurai Sept. 87 One day.
3. Workshop conducted : Zonal and regional workshop on Environmental education - Nov-Dec 1987.

c) Articles published :

-An article on "Floods and its influence on Environment" published in Dinasari on 24th Nov. 1987

Dr. Anandavalli Mahadevan :

a) Publications :

-One booklet on Environmental Education in Schools - (in Tamil) Dec. 1987.

b) Research work under progress :

1. Exhibition as a technique for environment education - An analysis
2. An assessment of techniques for Environment Education
3. Comparison of Biology Syllabus and updating
4. Developing Evaluation items
5. Preparation of Materials for Radiovision.

c) Research work under print:

1. Quality of Vaigai River - A profil - chapter in the book "Indian Rivers" edited py Trivedy and Goel, Enviromental publication.
2. Tanneries and ground water quality - (with Aparna) in Pollution Research
3. Ambient Air quaity in Madurai City (with Thanga Meenakshi) in Pollution Research

d) Extracurricular Activities :

1. Conducted a workshop on Environmental Education for the Coordinators of Environmental Soceity, Madras - 1987.
2. Conducted a workshop for students on Environment Education at Erode 1987.
3. Conducted and Organized a Kaveri Survey with students of Erode.
4. AIR Science Sammelan - Served as an organizing Committee Member

e) Worshop conducted :

Organizer : Zonal workshop on Environmental Education for Training Resource Person - 24th-26th Nov. 1987.

Organizer : Zonal workshop on Environment Education for Training Teachers -3rd-5th Dec. 1987.

f) Seminar / Conference attended :

1. Attended a coordination on Environmental Education at the Centre. for Environment Education Ahemdabad, Sept. 22-24th, 1987.
2. Attended the Seminar on "Modern Technology and Higher Education" at Madurai Kamaraj University, Sept. 87

3. Psesented a paper on "Trees and Drought" at the Sixth Science Sammelan" 18th Sept. 1987

4. Presented a lecture on the Need for Environmental Education at the "Workshop on Environmental Education" Dec. 3rd 1987

5. Presented a paper on "The role of an individual in environmental health" 17th Dec 1987.

g) *Articles Published* :

An article on "Floods and Drought" was published in Dinasari on 24th Nov. 1987.

h) *Other general infermation* :

The centre is recognized by UGC for improvement in Biology Education at the National Level] Multifarious activities pertaining to Biology Education is contemplated as activities for future.

M. Sc., COMPUTER SCIENCE PROGRAMME (DRDO)

(Sponsored by Defence Research and Development Organisation)

The DRDO had selected our University as one of the centers for sponsoring an M.Sc Computer Science (Software) course to train computer scientists for their requirements. A major computer system CYBER/MEDHA is due to be installed early 1988, for which the site is being prepared. This computer system, in addition to its use for the M.Sc Computer Science Programme of training, will be very valuable for the advanced research computations of all the research activities in the University and the colleges as well as research/design problems of industry.

I. Staff :

1. Dr.K.S. Chandrasekaran, M.Sc.; Ph.D - Convener
2. Dr.R. Bhaskaran, M.Sc, Ph.D - Lecturer on lien from the School of Mathematics till April 1987.
3. Dr.K. Ramchandran, M.Sc., Ph.D - Lecturer on lien from the School of Physics till July 1987
4. Thiru S.Sreedaran, B.E (Electrical), MIF(Power) - Lecturer
5. Thiru S.Selvakumar, B.E (Electronics). M.E(Computer Science) - Lecturer, joined in July 1987
6. Thiru A. Meschach Ponraj, M.Sc (Physics), M.Phil (Computer Science)- Lecturer, joined in November 1987
7. Thiru E.Raja Sooriamoorthy, B. E. (Computer Science)-Instructor for one year, joined in October 1987
8. Thiru D. Pathinettan, Padian, M.Sc (Physics), Doctoral Scholar in Physics - Research Associate for one year and relinquished to take up Asst. Professor in a college, August 1987

Part - Time Faculty

1. Dr.S Balasubramanian	—	Professor & Head, School of Physics
2. Dr.M.A.Sundaram	—	Professor, School of Mathematics
3. Dr.N.S.Natarajan	—	Reader, School of Mathematics
4. Dr.K. Ramachandran	—	Lecturer, School of Physics
5. Dr.R.Soundar Rajan	—	Lecturer, School of Physics

6. Dr.T.R. Sundar Raman — Reader, School of Mathematics
7. Dr.S. Choudham — Reader, School of Mathematics
8. Dr.C.R.Seshan — Asst. Prof of Mathematics, The American College, Madurai

Special Visiting Faculty

1. Dr.D.K.Subramanian Professor of Computer Science, School of Automation, IISc, Bangalore (for multiple visits)

II. Research Seminars:

(1) Dr. S. Balasubramanian - Nonlinear an harmonic oscsillators, Feb. '87

(2) Thiru R. Govindarajan - Recent trends in Computer architecture, March 87.

(3) Dr. S.K. Sen - Error analysis in computing techniques, April 87.

(4) Thiru Dhekne - Computer related Projects in the BARC, Bombay, May 87.

(5) Dr. K.S. Chandrasekaran - Recent trends in Chaos theory, Aug. '87.

(6) Thiru Kalaiselvan, (Head, Computer Science and Engineering, Kalasalingam Engineering College, Krishnancoil), Aug. '87.

(7) Thiru A. Meschach Ponraj - Indonet system, August '87.

(8) Dr. R. Vasudevan. Scientist - in - Charge, DRDO Computer Centre, Bangalore - coperative sequential processing, Sept. '87.

(9) Dr. D.K. Subramanian - Research trends in the Tokyo 1987 conference on 'Modelling and system design, Oct. '87.

(10) Dr. Ramamani (Scientist, DRDO Computer Centre, Bangalore - Selections from the Ramanujam Note Book, Oct '87.

(11) Dr M. Venkatraman (Retired Professor of Mathematics and Computer Science. The Central University, Hyderabad) Homage to Ramanujam, Oct. '87:

(12) Dr. D.K. Subramanian - Structured problem solving, Dec. '87

III Conferences / Seminars / Workshops attended by the Faculty :

(1) Thiru S. Sreedaran and Thiru S. Selvakumar, by deputation, participated in the Advanced special training programme on the CYBER 830 / MEDHA computer system. (with emphasis on the operating IM / DM management, side support etc.) conducted by the ECIL, Hyderabad, for about 6 weeks from 2 Nov. '87.

(2) Dr. K.S. Chandrasekaran participated in the DRDO Group discussion on the Academic courses (of the M.Sc. Computer Science at the 6 universities in India) sponsored by the DRDO, New Delhi, Nov. '87 and presented our Report.

IV. M.Sc. students in the Hostels:

	Men	Women	Total
I M.Sc.	14	6	20
II M.Sc.	13	5	18

V Course conducted in the deparment

M.Sc. **Computer Science**

VI Other General Information:

(1) Thiru A. Meschach Ponraj's Research abstract entitled' Design and implementation of an electrical network analyser' has been accepted for oral presentation at the National Symposium on 'Personal computers in Science and Engineering 'Convened by the Department of Atomic Energy, Bombay to be held Feb. 1988.

(2) Thiru S. Sreedaran, by deputation, visited the DRDO Computer Centre, Bangalore for about 5 days in July '87 for additional software reference materials and to guide the M. Sc. students at their computer centre.

(3) Dr. C.R. Chakravarthy, Director EDP systems and Computer centres (DRDO), New Delhi visited the Department, discussed the Projects of the M.Sc. students and addressed the Faculty and students, April '87.

(4) The Vice-Chancellor, Dr. S. Krishnaswamy inaugurated the I M.Sc. Course for this year by addressing all the students and Faculty. Excrepets from a videocassette on FORTRAN Programming was displayed.

(5) The M Sc. Computer Science students during the 10 days Summer Recess of July '87 visited and worked at the DRDO Computer Centre, Bangalore with the scientists of the DRDO to get familiar with that environment. The students were also addressed, during their stay, by the top research scientists of the Defence Technical Establishments at Bangalore.

SCHOOL OF ENERGY, ENVIRONMENT AND NATURAL RESOURCES

I Staff :

Professor and Head of the Department Dr.T.M. Haridasan M.Sc., Ph.D.

Readers :

1. Dr.C.E. Sooriamoorthy, M.Sc., M.S., Ph D.
2. Dr.P. Muthusubramanian, M.Sc., Ph.D.
3. Dr. Samuel Paul Raj, M.Sc., Ph.D.
4. Dr.A.K. Kumaraguru, M.Sc., Ph.D , Ph.D.
   (Underlean to Central University of Pondicharry)

Lecturers :

1. Dr. (Mrs.) R Kasturi Bai, M Sc., Ph.D.
2. Dr. (Mrs.) Anadhavalli Mahadevan, M.Sc., Ph.D.
   (left as Reader, Biology Curriculam Development, School of Biological Sciences with effect from 26--6-1987)

C S.I.R. Pool Officers :

1. Dr. C. Balasundaram, M.Sc., Ph.D.

Research Associate :

1. Dr.K. Venkataraman, M.Sc., Ph.D.
   (C.S.I.R. Research Associate)
2. Dr.G. Poyyamoli, M.Sc., Ph.D
   (C.S.I.R. Research Associate; Left for Central University of Pondicherry)
3. Dr.P. Maria Charles, M.Sc., Ph.D.
4. Dr.K. Jayakumar, M.Sc., Ph.D.
   (left as Assistant Professor to St. Joseph's college, Trichy.)
5. Mr.K. Paul Raj, M.Sc., (Relieved on 1st July 1987)

II Research Activities

a) Research work under Print :

1) Mean square amplitudes of interstitials and their neighbour in(Re-Ti) system with hydrogen (With N. Lawrence)
J. Phy. Chem, Solids (USA) 1987.

2) Characteristic Thermodynamic parameters of $\bar{F}$ Frenkel defect formation in BPbF.
(With P. Sekar) 2 in Philosp. Mag. (UK) 1987.

3) Green function in lattice dynamics.
A Chapter in the book 'Physics of Phonons' published dy Dr.R.K. Singh in World Scientific, Singapore.

4) Formation energy of Frenkel defects in alkalin earth fluoride (With P. Sekar).
in the proceedings of DAE conference, Bomay. December 1987.

5) $\bar{F}$ion dynamics in B-FbF. A quasi harmonic calculation-(under revision) J. Phys. Chem. (UK).

6) Diffusion coefficient of F ions in B-PbF_2 communicated to Phys. Stat. Soldi. (6) (GOR).

7) Debye Waller factor of neighbours near anion point defects in PbF_2 communicated to Philos. Mag. (UK).

8) Static relaxation ionic lattices (Comp. program)-communicated to computer Phys Commun. (UK).

b) Research work under Progress :

1) Lattice dynamics of graphite intercalated componuds (with G. Satyamoorthy)

2) Growth and characterization of multilayer films for Solar application (With Dan Rita)

3) Biomass Gasification studies - Demonstration training and research-funded by DNES.

4) Thermodynamic parameters of Frenkel defects formation in alkaline earth fluoride (with P. Sekar).

5. A Reaction coordinate calculation of diffusion parameters in AF_2 compounds. (with P.Sekar)

6. Mean Spuare displacements of anion part defects and neighbour in alkaline earth fluorides (with P. Sekar.)

c) *Extracurricular activities* :

Member of Editorial committee - J. Of Solar Energy Society of India.

Associate Member -- International centre for Theoritidal physics, Trieste, Italy.

Member of Boards of Study in Physics at
1. Annamalai University
2. Alagappa University
3. Bharathidasan University
4. Bharathiar University
5. Cochin University
6. Gandhigram Rural Institute

Member of Board of study in Energy — Bharathidasan School of Energy, Bharathidasan University.

Dr. C. E. Sooriamoorthy :

a) *Research work published during the year*

1. A modified inverter for solar cells - Electronics for you - 1987
2. Freshnel lens for solar driers - JOST - 1987.
3. A drying model for certain vegetables in solar hot-air-chamber-drier- National Solar Energy Convention - December 1987.
4. Science in Sangam Literature - International Tamil conference-1987. Kolalumpur.
5. Polarisers for solar cells - Science Workshop at CECRI - 1987.
6. Super conductors - Valaram Ariviyal - 1987.
7. Artificial Rain - Dinasari Journal.

b) *Research works under press* :

1. Sphectrophotometric method of estimating adulteratlon in edible oils.
2. Design and testing of a solar cooker for mid-bay meals scheme.
3. The effect of CO_2 in solar thermal equipments.

c) Research words under progress :

1. A mathematical model for solar cardemom dryer.
2. An electronic circuit for effectively charging batteries for Solar cells.
3. Design and fabrication of a solar jaggery maker.
4. An efficient solar still.
5. Electrical resistance method of estimating ground water level.

d) *Hours of Teaching* : 8 hours/week.

e) Extra-curricular activities:

1. Vice-president - Indian Association for Physics Teachers.
2. Life-member-Solar Energy Society of India.
3. Member - Optical Society of India.
4. Member - P.G. Board of studies, Thiagarajar Arts College, Madurai
5. Member - Board of studies, Vivekananda College, Tiruvedagam.
6. Member - P.G. Board of studies, Sri Pushpam College, Poondi.
7. AIR - Madurai - Talk on "Estimation of Flood and Drought" - 3.12.87
8. Public Talk on "Space Pollution" - Madurai Corporation Building - 28-11-87
9. Public Talk on "Noise Pollution" - Sundaram Fasteners, Aviyur - 8.12.87
10. Public Talk on "Industrial Pollution" - SPIC, Tuticorin - 10.12.87
11. Public Talk on "Environment" - Kamarajar College - Tuticorin - 23.11.87

Dr.P. Muthusubramanian:

a) Research work in Press:

1. Study of Factors responsible for the halfwidth of the NH_3 Raman torsional band in crystalline sulphamic acid
J.F. Bocquet, L. Abello, P. Muthusubramanian and G. Lucazean.
J. Raman Spectroscopy (1987).

2. Variation of optical constants with corrosion in Zinc films.
K.S. Kalyani and P. Muthusubramranian.
J. Instrument Society of India (1987).

b) Research work under Progress:

1. Design and construction of multiple path call for FT-IR Spectrometer.
2. Noise level mapping of Madurai city.
3. Intensity correlation of IR bands of gaseous pollutants.
4. Energy audit of the Science blocks in the Unversity campus.

c) Projects being handled:

1. DOEN Project on Design and construction of a long path FT-IR Spectrometer for study of air pollution in Madurai and neighbourhood
2. Principal Co-investigator of the DNES Project on Operational Research on Biomass gasification for Mechanical. Electrical and Thermal applications.

d) Hours of teaching: 8 hours/week

e) Extra - curricular Activities:

1. Member, Board of studies in Physics - Annamalai University, Annamalai Nagar.
2. Member, Board of studies in Physics - Sri Parasakthi College for women, Courtalam. (Autonomous)
3. Member, Board of Studies in Physics - Sri Sathya Sai Institute of Higher Learning (Deemed University), Puttaparthi.
4. Member, Indian Society of Analytical Scientists, BARC, Bombay.
5. Member, Instrumentation Society of India, I.I.Sc., Bangalore.

g) Confercnces/Symposium attended:

1. Workship on study of fast chemical process, Tata Institute of Fundamental Research, Bombay, 5-9, Jan 1987.
2. Symposium on New Materials, 57th Annual Session of the National Academy of Sciences, Bharathidasan University, Trichy 8-10, October, 1987.
3. National Solar Energy Convention, Indian Institute of Technology, New Delhi 2-4, Dec. 1987.
4. Solid state Physics Symposium, Bhabha Atomic Research Centre, Bombay, 27-31, Dec 1987

Dr. Samuel Paul Raj

a) Research Work published:

1. Mercury pollution in river Cauvery.
Poll. Res Vol 5 (2) 1986 : 39 -43.

2. Incidence of methyl mercury in fish from Stanley Reservoir (mettur) Tamil Nadu, India. J. Enviromental. Biol 8 (2) 1987 ; 151 - 155

3. Strategies for improving the inland fishery resources of Tamil Nadu Abst. National Symp. on Environmental Biology. Palayamkottai.
2 - 4 April 1987 ; 127

4. Effect of methyltestosterone on the growth of Cyprinus carpio var. communis (Linn.). Abst The First Indian Fisheries Forum, Mangalore 4 - 8, Dec. 1987 : 57

5. Fish feed formulations using wild leaves from western Ghats Abst. The First Indian Fisheries Forum Mangalore, 4-8 Dec 1987 ; 63

6. Toxicity of Textile Mill effluent on the freshwater prawn Macrobrachium idae (Heller) Abst. The First Indian Fisheries Forum Mangalore,
4 - 8 Dec 198 : 238.

b) Research Work (Communicated):

Growth of stunted Rohn - Fimbriatus hybrid fish - Geobios on 27.7.87

c) Research Work (Communicated):

1. Studies on the energy demand of agro ecosystem.
2. Evaluation of wild leaves as protein sources to fishef.
3. Studies on the utility of Azolla as fish feed.
4. Isolation of protein from tannory effluent.

d) Hours of teaching: 5 hours/week

e) Extra - curricular Activities:

Member of the Zoological Society of India.
Member of the Academy of Zoology.
All India Radio talk on 10.12.87
Gave a talk on Enviromental Awareness on 27.11,87 at Holy cross College, Nagercoil.

g) *Conference/Symposium attended* :

1. National symposium on Environmental Biology 2-4, April 1987.
2. The First Indian Fisheries Forum 4-8, Dec. 1287.

Dr.K. Kasturi Bai

a) *Work published*: Deivani, K and Kasturi Bai, R.

1. 'Pretreatment of some agrowastes by *Phauerochaete chrysosporuni* for bio methanation".
   Proc. of National Solar Energy Convention - 1986.
   Madurai Kamaraj University, Madurai - pp 319-322.

2. Ramesh Sivathanu, S. and Kasturi Bai, R. 'The amenability of industrial wastes for biogasification".
   Proc. of National Solar Energy Convention - 1986.
   Madurai Kamaraj University, Madurai pp 313 - 316.

b) *Work in Print* :

1. Kasturi Bai, R. and God bole, S. H. 19 87 Stabilization potential and energy recovery of effluents from diary industry by Singlephase and two phase digestion systems. *Biological Wastes* . Elsevei Applied Science Publishers Ltd., England.

2. Kasturi Bai, R' and Godbole, S.H. 1987 Volatile acid profile during the anaerobic treatment of effluents from diary industry *Biological Wastes*: Elsever Applied Science Publishers Ltd., England.

d) *Work in Progress* :

1. Biodegradation of agroresidues by *Phanerochaete Chrysosoporium*
2. Anaerobic lreatment of tannery effluents
3. Utilization of digested bio-gas slumy for agriculture and acqua culture on par with chemical fertilizers and sewage.

e) *Hours of teaching* : 3 hours / week

f) *Extracuricular activities* :

1. Availed the DBT National Associatesship (Seminor) at MACS Research Institute, Law College Road, Pune - 411 004 during 86-87.
2. Participated in the 'Enviromental Awareness Campaign' during Nov. 19th to Dec. 18th, 1987.

3. Participated and presented a paper in the Seminar '*Microbiological dimensions of bio gas* at Ahmedabad.

Dr K Venkataraman

a) **Participation in Seminars/Lectures/Awareness Campaign.**

1. Paper presentation at Solar Energy Society of India Annual Conference - 1987, New Delhi.

   'Testing and Performance analysis of an indirect type of Solar Cookr'e (with R. Murugesan and T. M. Haridasan.)

2. Lecture on "Water pollution and Water resources" GTN Arts College, Dindigul, COSIP, Feb-1987.

3. Environmental Awareness Campaign :

   Resource person for "Kaveri Awarenass" at Erode, July 24-29, 1987. Organised by Environmental Society, Madras.

4. Environmental Awareness Campaign

   Resource person for 'Kaveri Awareness" at Tirchi, Nov. 9-15 and 27-29, 1987.
   Organised by Environmental Society, Madras.

5. Environmental Awareness Campaign :

   Resource person for workshop on "orienting resource persons on Environmental Education in Schools" National Environmental Awareness Campaign - 1987, Nov 24-26. Organised by Centre for Environment Education, Ahmedabad and Centre for Biology Education, School of Biological Sciences, Madurai Kamaraj University, Madurai.

6. Environmental Awareness Campaign :

   Resource person for "Workshop on orienting school teachers and Non-Governmental organisation on Environmental Education in Schools". National Environmental Awareness Campaign, 1987, December - 2-5. Organised by Centre for Environmental Education, Ahmedabad and Centre for Biology Education, School of Biologicol Science, Madurai Kamaraj University, Madurai.

7. Environmental Awarness Campaign :

   Resource person for delivering a lecture on "Flood and Drought" at RDM College, Sivaganga on 5th December 1987, conducted by School

of Energy, Environmental and Natural Resources, Madurai Kamaraj University, Madurai.

a) *Work done for the year*

1. Biogas - slurry and culture of Zooplankton :

   1. *Dapphnia similis* (Crustacea : Cladocera)

2. Survey of aquatic organism; Kamaraj, Tirunelveli, Kanyakumari and Madurai Districts.

3. Heavy metals and Primnry Production.

   b) *Work under preparation ;*

1. Mass culture of Zooplankton using wild leaves.

Papers published / accepted / manuscript under preparation :

1. Growth and reproduction of tortoise beetle *Cassida circumdata* Herbst, (Chrysomelidoe; Cassidinace) under laboratory condition. (Accepted in *Journal of Bombay Natural History Society)*

2. Testing and performance analysis of an indirect type of Solar Cooker, National Solar Energy Convention - 1987, New Delhi. (with R. Murugesan and T.M. Haridasan.)

3. Application of scanning electron microscopy in the taxonomy of cladocera using ephippial egg morphology (Ms communicated to *Proc. Indian Head Sci.)*

4. Cladocera of Keoladeo National Park, Bharatpur, New records. (Ms. Under preparation)

Dr. P. Maria Charles

a) *Research Works published during the year* :

1. Aspects of developmental biology of *Macrobrachium lamarrei*. Proc. All India Symp. Aqu. Organisms, Tanjore, 1987.

2. Successive spawning and larval energetics in *Macrobrechium lamarrei* Proc. Fifth All India Symp. Invert. Reprod. Palani, 1987.

3. Batch spawning and larval survival in *Macrobrachium lanchesteri*. Curr. Sci., 56 : 1077-1078, 1987.

4. Mansoon influence on the continuous breeding of the freshwater prawn *Macrobrachium lamarrei* J. Reprod. Biol. Comp. Endocrinol. (December, 1987 issue).

5. Seasonality in egg production and effect of temperature on the energetics of egg development in *Macrobrachium lamarrei*. In crustacen issues, Vol, 4 . Egg production, Edited by Frederick R. Schram, San Diego Natural History Museum, California

b) Research work under print :

1. Egg production energetics and larval survivability in the three successive spawns of *Macrobrachium lamarrei* reared in the laboratory. Aquaculture.

2. Influence of environmental factors on the occurrence of intense reproductive activity in *Macrobrachium lanchesteri*. Proc. Indian Aca. Sci.

3. Seasonality on the energetics of egg development in *Macrobrachium lanchesteri*. Curr. Sci.

4. Environmental impact on sexual maturity and reproduction in *Macrobrachium lamarrei*. Geobias (Ms submited)

5. Biochemical investigations on the egg development of two successive spawns in *Macrobrachium lanchesteri*. Physiol. Zool. (Ms Submitted)

6. Effect of progesteron on ovarian maturation in *Macrobrachium lanchetseri*. (Ms submitted.)

c) Research work under progress :

1. Investigations on the reproductive biology of selected crustaceans of aquacultural importance.

2. Application of reproductive biology for the large scale larval production of *Macrobrachium* Sqs. Proposal for Research Grant to International Foundation for Science, Sweeden is to be submitted shortly.

d) Symosium attended :

1. All India Symposium on Aquatic organisms at Tanjore in February 1987. Paper presented : Aspects of developmental biology of a freshwater prawn *Macrobrachium lanchesteri*

2. National Symposium on Physiology of Crustacea held at Aurangabad in March 1987. Paper presented : Effect of batch spawning on larval survival in *Macrobrachium lanchesteri*.

3. Fifth All India Symposium on Invertebrate Reproduction held at Palani in September 1987. Paper presented : Successive spawning and larval energetics in *Macrobrachium lamarrei*.

4. Annual symcsium on Reproductive Biology and comparative Endocrinology to be held at Chidambaram in December 1987. Abstract accepted. Effect of acute treatment of organochloride on the histology of ovarian maturation in *Macrobrachium lanchesteri*.

e) Extracurricular activities :

1. Active member in organising symposia, seminors and conferences.

2. Worked as Resource personal in the Integrated Rural Energy planning workshop organised in the department.

3. Under the auspecious of Environmental Awareness Campaign -- 1987 a lecture on "Flood and Drought-its causes and effects" was delivered at K.V.S. Hr. Sec. School, Virudhunagar on 3rd December 1987.

4. Member of Academy of Zoology.

III. RESEARCH SCHOLARS :

Sl. No.	Name of the Scholar	Name of the Supervisor	Degree for which registered	Topic of Research	Works Published	Whether thesis submitted	Whether declared for the degree
1	N. Lawrence, (CSIR. SRF)	Dr. T.M. Haridasan	Ph.D.	Hydrogent energy storage	4 papers	Synopsis submitted	—
2	P. Sekar (SRF)	,, ,,	Ph.D.	Investigation on Super-ionic materials	3 papers	—	—
3	N. Panner Selvam	Dr. C.B.S.R. Sharma	Ph.D.	Investigation on Environmental Chemicals	1 paper	Yes	—
4	A. Sundaram (FIP)	Dr. C.E. Scoria-moorthi	Ph.D.	Energy modelling	—	—	—
5	K. Deivanai (JRE) Under DNES Project	Dr. R. Kasturibai	Ph D.	Treatment of industrial and agricultural waste using single phase system for biogas generation	—	—	—
6	S. Ramesh Sivathanu (JRF under DNES Project)	Dr. Kasturibai	Ph.D.	Treatment of industrial waste using two phase system for biogas generation	—	—	—
7	R. Papathi (JRF)	Dr. Samuel Paul Raj	Ph.D.	Evaluation of protecting in wild leaves and feed formulation using the leaves of certain chosen fresh water carps	1 papers	—	—

1	2	3	4	5	6	7	8
8	P.R. Balasubramanian (JRF under DNES Project	Dr. R. Kasturibai	Ph.D.	Evaluation of digested biogas slurry for aquaculture	2 papers	—	—
9	A. Gnanamani	Dr. R. Kasturibai	Ph.D.		—	—	—
10	L. Cindrella (UGC JRF)	Dr. CE. Sooria moorthi		Investigation on Solar Thermal Equipments	— —	— —	— —
11	G. Gopinathan (DOEN JRF)	Dr.P. Muthusubramanian	Ph.D.	Not choosen yet	—	—	—
12	Paul Marry Deborrah (DOEN JRF)	Dr.P Muthusubramanian	Ph.D.	Not choosen yet	—	—	—
13	D. Kandaswamy	Dr, Samuel Paul Raj	Ph.D.	Fish feed formulations for certain cultivable fishes using tannery waste and sea weeds	—	—	—
Part-time Research Scholars :							
14	Y. Mahadavan	Dr.T. Haridasan	Ph.D.	Investigation on photovolatic materials	3 papers	—	—
15	Dan Reta Suganthi	Dr.T.M Haridasan	Ph.D.	Study of photovolatic Materials under altered enviromental conditions	—	—	—

1	2	3	4	5	6	7	8
16	G. Satyamoorthy	Dr.T.M. Haridasan	Ph.D.	Investigation on intercalation compounds	—	—	—
17	C. Palaniappan	Dr.C.E. Sooriamoorthi	Ph D.	Investigation on utillization of Solar energy	3 papers	submitted synopsis	—
18	N.S Rangarajan	Dr.T.M. Haridasau	Ph.D.	Investigation on the Physical properties of a few solar energy materials	—	—	—
19	Srinivasa Nambirajan	Dr.C.E. Sooriamoorthi	Ph D.	Remote sensing methods	—	—	—
20	M.Krishnamoorthy	Dr.C.E. Sooriamoorthi	Ph.D.	Viscoelastic studies	2 papers	—	—
21	M.R. Ganapathy	Dr. P. Muthusubramanian	Ph.D.	Physical characterization of some materials for energy storage	—	—	—
22	J. Ebenezer	Dr. Samuel Paul Raj	Ph.D.	Studies in the utility of rubber and kernals as a nitrogen supplement for fish feed	—	—	—
23	D. Joseph Dharma Sinch	Dr. Samuel Paul Raj	Ph.D.	Studies in the growth and energy utilization pattern in certain Indian major carps influenced by methyl testosteron	—	—	—

VI Course Conducted in the Department :

M.Phil : Engery Science

V. Details of seminars conducted by the department during the year :

Sl. No.	Name of the Department	Seminar/Conference conducted by the Dept.	No. of delegates attended	Period from	to	No. of teachers attended outside University
1.	School of Energy	IREP Training programme,	60	Jan. '87		55
2.	,,	Natural level Natural Environmental Awareness Campaign (6 Seminars)	50	19th Nov.	to 18th Dec. '87	20

VI. Conference, Seminars etc. attended by the teachers during the year :

Name of the teacher	Name of the conference/ Seminar attended	Duration of Conference	Topic of paper Presented
Dr C. E. Sooriamoorthi	National Solar Energy Convention	4 days	Solar drier
Dr. P. Muthsubramanian	Workshop on study of fast chemical process	4 days	
	Symposium on New Materials	2 days	
	National Solar Energy Convention	4 days	
	Solid state Physics Symposium	4 days	
Dr. Samuel Paul Raj	National Symposium on Environmental Biology	2 days	
	The First Indian Fisheries Forum	4 days	Toxicity of Textile mill effluent on the fresh water prawn

VII. M.Phil Students residing in hostels.

Men	Woman	Total
6	7	13

VIII. Other general information.

The following schemes are in operation in the School with the funding agencies noted against each.

		Funding agency	Total outlay
1.	Augmentation of Biogas Technology with special emphasis on substract biodegradation and combined biogas solar system	DNES	Rs. 4.978 lakhs
2.	Evaluation of digested biogas slurry for agriculture aquaculture and integrated forming on par with treated sewage and Chemical fertilizer	DNES	Rs. 5. lakhs
3.	Operational Research on biomass gasification for Mechanical, Electrical and Thermal applications	DNES	Rs. 32.394 lakhs
4	Design and fabrication of a long path FT-IR spectrometer for air pollution studies in Madurai and neighbourhood	DOEN	Rs. 8.20 lakhs
5.	Investigation on Solid Electrolytes	Third World Academy Trieste	US $ 10,000
6.	Influence of various concentration of the ambient medient medium of the growth and composition of the Indian crap catla catla	International Foundation of Sciences, Sweden	US £ 10,000

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

I. **Staff :**

Prof : N Arumugam, M A , Ph.D., C.Chem., FRSC, FICS
Professor - in - Charge.

Other Staff :

Thiru N. Mathivanan, M Sc., Junior Scientist/Lecture
,, A Ponnuswamy, M.Sc. Micro Analyst/Lecture
Senior Technicians-2

II **General Information** :

The University Science Instrumentation Centre-Level II, Madurai Kamaraj University was established in October 1978. Within the short span of nine years it has come up a long way towards fulfilment of the objectives of the USIC programme enunciated by the U.G.C.

Objectives and Functions :

1. To provide specialised analytical services
2. Repair and service of instruments
3. To Provide facilities like mechanical, electronic, glass-blowing work shops.
4. Design and fabrication of instruments
5. Training instrument technicians and scientists
6. Interaction with the industry for solving their problems with the use of USIC facilities and expertise
7. To provide facilities for teachers for creation and fabrication of new teaching aids and equipments.

At present the USIC has five divisions : (1) Analytical Services Laboratory, (2) Electronics Laboratory (3) Mechanical Shop, (4) Glass-Blowing Shop and (5) Teaching Aids Section This Centre is intended to cater to the needs of the constituent and the affiliated colleges, University Departments and the Industrial establishments This Centre is also responsible for repair and servicing of instruments in the University area and will also undertake research and development work in instrumentation, not only for the University but also for the industries using the talent available in the University. The main aim of the Centre, apart from rendering routine analytical,

glass-blowing and mechanical shop services is to progressively develop indigeneous capability in instrumentation science.

III. Review of Activities :

Analytical Services Laboratory :

The major facilities now available in this section are :

1. PU-8800 - UV-VIS Spectrophotometer
2. UV-160 - Shimadzu-UV-VIS Spectrophotometer
3. FP-770 - JASCO - Spectrofluorometer
4. Perkin-Elmer - 577 IR Spectrophotometer
5. Perkin - Elmer 402 UV-VIS Spectraphotometer
6. Spectra-Physics 125A Helium–Neon Laser
7. GCA 2051 Monachromator
8. Perkin–Elmer R32 NMR Spectrometer
9. Hitachi H–500 Transmission Electron Microscope
10. Hitachi S-450 Scanning Electron Microscope
11. Zeiss MD 100 Microdensitometer

(Items 9–11: Housed in the Biology Department)

12. HCL MICRO 2200 Computer
13. DCM MICROSYSTEM 1121 Computer
14. Microelemental Analyser - (VEB) Laborgerate, GDR)
15. M5 SA Micro Mettler Balances

One Scientist, One Micro Analyst, One Senior Technician and two technicians are working in this section.

Instruments are maintained in good performing condition and calibration operation and data collection are done by these experienced technicians. This section has been helping the research scholars of the various departments in providing the spectral data. A number of educational institutions, private and public sector industries are utilising these facilities offered by this section. For the year 1987 the following services were rendered :

N M R	:	450 Spectra
I R	:	500 Spectra
UV - VIS	:	475 Scans
MD 100	:	200 Scans

Electronics Laboratory:

Major facilities now available in this section are:

1. A-V-O Meters: (a) Analog – Motwane
BPL
Philips
(b) Digital HIL $3\frac{1}{2}$ Digit
Systronics $4\frac{1}{2}$ Digit
HIL $3\frac{1}{2}$ Digit Autoranging
2. Oscilloscopes: TEK 465 - 100 MHz - Dual trace
Philips - 15 MHz - Single trace
3. LCR Meter (Digital)
4. Frequency Counter/Timer - Philips - 250 MHz
5) Valve Tester 106 AS
6) Wave Form Generator: Function/Pulse Generator - APLAB - 20 MHz
7) Isolating Transformer - APLAB
8) Variable voltage transformer - Motwane
9) PCB Drilling Machine

The following facilities have been fabricated by the USIC Electronics Laboratory:

10. Power Supplies - USIC, MKU Make
11. R.f. Signal Generator - USIC, MKU Make
12. Auto Generator - USIC, MKU Make
13. Function Generntor - USIC, MKU Make

Two senior Technicians and three Technicians are working in this section.

This section is responsible for repair and servicing of the instruments available in the University departments as well as others in the University area.

Many sophisticated analytical instruments, electronic test and measuring instruments, Medical instruments, teaching / trainer kits, Audio visual systems, laboratory equipments have been repaired / serviced by this laboratory.

To carryout special experiments by scientists in the science faculty many new electronic equipments have been designed and fabricated as per scientists requirement and specifications.

Mechanical shop:

The facilities now available in this section are :

1. HMT LB17 Centre Lathe
2. MMT All geared Centre Lathe
3. Jemek Radial Drilling Machine
4. Cooper CSM Shaping Machine.
5. Bench Grinding Machine
6. Hand Sheering Machine
7. Power Hacksaw
8. Tilting Table Circular Saw

One Senior Technician and two Technician are working in this section.

Many mechanical spares for sophisticated instruments, attachment modules for equipments prototype models of accesseries have been fabricated in the Mechanical Shop.

Glass - Blowing Shop:

The facilities now available in this section are :

1. Glass Working Lathes
2. Glass Grinding Machine
3. Glass Vertical Grinding Machine
4. Glass Cutting Machine
5. Graduation Machine
6. Pentograph Mechine
7. Annealing Furnace

One Senior Technician and Two Technicians are working in this section.

This section is making ground glass joints and all other items of glassware. This section helps research scholars in making new glassware setups for their experiments. Precious glassware equipments for quantitative accurate analysis and complicated glassware assembles have been designed and fabricated in the Glass-blowing shop.

Teaching Aids Section :

The facilities now available in this section are :

1. AP 100 CEL Slide Projector
2. SPS 10 CEL Synchronised Projection System with stereo deck
3. NIKON F3 Camera with accessories for Microphotography and closeup work.
4. Harison Enlarger for Black and White Photography.
5. KP Color Enlarger with colour head for color photography (Japan Make)
6. Photophone MK III Overhead Projector.
7. Photophone Mini Slide cum Film Strip Projector
8. National NV - 370 Video Cassette Recorder (Japan Make)
9. Sanyo - BPL - 20″ Colour Television with remote control
10. HIL 2910 Discrete Component Trainer
11. HIL 2921 Digital IC Trainer
12) HIL 2941 Linear IC Trainer
13) Microprocessor Training Kit - Brain System II - APLAB
14) Microprocessor Trainer / Tester Kit - MTK 85 - RADART
15) Microprocessor Trainer Kit - MPF I (Z80 based) - Multitech.

With APLAB Microproeessor Development System / Trainer configuration Brain System II, a begining in the setting up of a microprocessor lab has been made. This laboratory now in a position to take up projects in design and fabrication of microprocessor based instruments and control units.

With the addition of Microprocessor MTK85 trainer / development system and the Microprocessor MPF I (Z80 based) trainer kit Research and development projects in the design of microprocessor based data acquisition and control systems are takenup.

Apart from providing the above items for use by teachers in the various Departments, this section is for making black and white and colour slides and display charts. Teachers can interact with this section for making innovative teaching models and aids for effective dissimination of knowledge.

DEPARTMENT OF COMPUTER CENTRE

I Staff :

Thiru U. NIRAICHANDRAN, B. E M. Tech. Systems Manager

Name of other staff with their qualification.

S. Ganapathy B.E. M. Tech Systems Engineer
Programmers – 2
Computer operators – 2
Key-Punch operators – 2

II Conferences Seminars Etc Conducted By the Department

Name of the Department	Seminar Conference	No of delegates attended	Time
COMPUTER CENTRE	Management of Computer Science	—	—
-do-	,,	35 Principals	February' 87

III. Conference, Seminars attended/conducted by the teachers during the year :

Name of teacher	Name of conference seminar attended/conducted	Duration
A. Uthayakumar	Applications of Operations Research, Ramasamy College, SATTUR	
S. Chandrasekaran	Programming Methodolgy Mysore University	Sep 21 - Oct'8, 1987

IV. Special Informattion :

At present the centre is having the following systems

1. IBM 1130
2. AL 800
3. AL 2016 three termunal system
4. AL HCL Busybee

The centre is also undertaking the following works for the administration of the University

1. Payroll for the academic and administrative staff
2 House Building Loan
3. LIC Systems
4. Incometax statement
5. Public Grievance activities

Since the capability of the pres:nt IBM 1130 is not upto the needs of the University, the centre is buying the following larger computer systems *Wipro - 386 - Series Computer for Computer Centre*

Hardware Configuration :

1. Intel 80386 CPU
   Intel 80287 Co-Processor,
   4 MB, 32 bitmain memory
   console – 1 no.,

2. 83 MB Micro Winchester disk
   drive — 2 nos.,
   368 MB fixed storage drive 2 nos
   5.25", 360 KB floppy disk
   drive — 2 nos
3. 800 l.pm printers — 2 nos
4. Streamer Tape Drives — 2 nos
5. Graphic Terminal — 1 no
6. Additional VDUS – 7 nos
7. Stand alone terminals — 8 nos

Software :

UNIX version 5.3 os
Compiler
FORTRAN Compiler
BASIC Compiler
PASCAL Compiler
PROLOG
LISP
DBMS

This will be used for solving research problem of all academic departments and also for doing administrative works

Dr T.P.M. LIBRARY

I. Thiru S. Gnanamuttu, M.A., M.L.I.Sc., continued to be the Librarian of the University Library.

II. General :

The Library is kept open on all days from 8 a.m. to 8 p.m.

III. Grant :

The University has allotted a sum of Rs. 18.17 lakhs as recurring grant towards the subscription of Journals and purchase of books for the year 1987-88, as follows :

a) Towards the subscription of Journals Rs 15.00 lakhs

b) Towards the purchase of books Rs. 3.17 lakhs

A sum of Rs 13 lakhs have been allotted for the purchase of books/ Journals under the U.G.C. VII Plan grant and books are being ordered and procured under this grant.

The University Library has arranged to procure and send the books for the newly started departments of English and History for the P.G. Extension Centre at Palayamkottai in addition to the existing departments of Sociology and Chemistry.

Following is the statement showing the number of new books added and Journals subscribed to the library.

Sl. No.	No. of Volumes/ Journals at the beginning of the year	No. of Volumes Journals added	Total No. of books/journals
1.	2,02,769 Books	5000	2,07,769
2	480 Journals	—	480

IV. Use of the Library :

The increasing popularity of the University Library is attested by the growing number of visitors and members to the Library. A total of 745 members have been enrolled during the year and the total number of members rose to 7700. The statistics for the books issue shows that the library collection is put to good use. The total number of visitors was

71200 and an average of 500 books have been sent to the members every day. Microfilm and xerox facilities are also available for the readers One A.C. Unit is being installed in the library to accommodate the Word Processor that has been procured for the library.

V. **Teaching Programmes** :

The staff of the Library including the Librarian handled classes for the Certificate Course in Library Science for two sessions in the year ie. April to June and September to November.

VI. Other Improvements :

1. Thiruvalargal S.C Shanmuganathan and J.P.S. Kumaravel Assistant (D) were deputed for Training in Abstracting and Indexing at NISIET, Hydrabad from 29-6-87 to 10-7-87.

2. Thiru S. Gnanamuttu, Librarian has been deputed to attend the National Seminar on Distributed Data Bases conducted by Society for Information Science, New Delhi at CFTRI, Mysore from 29-6-87 to 1-7-87.

3. Weekly Additions to the Library are being published in the University News Letter from the month of August, 1987.

4. "Documentation List"—Social Sciences with special reference to Economics, Commerce and Management were prepared by Thiruvalagal S.C. Shanmuganathan and J.P.S Kumaravel and sent to the above mentioned· departments from October, 1987 onwards.

5. "Thiru J.P.S. Kumaravelu Assistant (D) has attended the XVI IASLIC conference at S.V. University, Tirupathi from 23rd to 26th Dec. '87.

6. Thiru S, Jacob Devasirvatham, S.T.A. has attended the DRTC Conference at Bangalore from 16th to 20th Dec'87.

7. Thiruvalargal Cyril Royappa and A.R. Balasubramanian, S.T.A. have attended the All India Librarian's Association conference at Bharathidasan University, Tiruchirappalli from 28th Dec to 31st Dec '87.".

APPENDIX – M

NATIONAL SERVICE SCHEME

Thiru S. Raju,
Programme Co-ordinator.

The year 1987 marked the beginning of the launching of several new programmes with the focus on wasteland development and environmental education. The year was also important for the remarkable record number of special camping programmes organised. The Department of NSS, in the process of organising programmes and camps, has also set up a choir group, street theatre group and folk dances group with a view to enable the volunteers interact and articulate the issues with the community better.

The NSS launched in the University in 1969 with a students strength of 1000 has grown to 20000 during the year under report.

The following activities were organised during the year 1987 :

1. Inter State Regional NSS Camp on Waste Land Development

The department of NSS organised a 7 day Regional NSS Camp on Waste Land Development and Environmental Education' at Madurai Kamaraj University between 10th and 16th January, 1987

The camp started on 10th January, 1987 with a colourful inauguration presided over by the Vice-Chancellor, Prof. S. Krishnaswamy of Madurai Kamaraj University. The Chief Guest was given a warm and traditional welcome by the NSS volunteers of Madurai Kamaraj University. The volunteers performed colourful Karagattam. The speech by the Chief Guest was followed by a cultural programme. The local artists and NSS volunteers performed the folk arts. A concise account of the camp activities follow :

Participants :

The response to the invitation had been good. 230 NSS volunteers hailing from 16 Universities belonging to five States actively participated in the endeavovr and made it a success.

1. Orissa	i) Sambalpur University
2. Andhra Pradesh	ii) Osmania University

	iii)	Sri Krishnadevaraya University
	iv)	Andhra University
	v)	Kakatiya University
	vi)	Sri Venkateswara University
3. Kerala	vii)	Kerala University
	viii)	Calicut University
	ix)	Gandhiji University
4. Pondicherry	x)	Pondicherry Central University
5. Tamil Nadu	xi)	Bharathidasan University
	xii)	Bharathiyar University
	xiii)	University of Madras
	xiv)	Annamalai University
	xv)	Anna University
	xvi)	Madurai Kamaraj University

Camp activities

Flag Hoisting and Physical Training

On all the days at 6.00 a.m the flag hoisting was done by one of the Programme Officers except on 16th where a student volunteer from Sambalpur University, Orissa was given the opportunity to hoist the flag. The flag hoisting was followed by a message by the Chief Guest. This was followed by jogging, physical exercise and yoga ably guided by the Physical Director Dr Amal Raj.

Manual Labour

Manual labour consisted of planting sapling campus cleaning and wasteland development. The volunteers were divided into six groups - two groups each taking up planting at the University Campus, learning the aspects of wasteland development demonstrated by the Department of Forestry, Madurai Division and Campus cleaning The three functions mentioned above were done on rotation. The volunteers had planted 2000 sapplings at the Madurai Kamaraj University and were watered everyday by the campers. The number was restricted because of the difficulty in watering the plants in the future. The Forest Officers ably demonstrated the preparation of a nursery and explained the evils of deforestration and also the development of social forestry. In the campus at SVN College, the volunteers cleaned the surroundings.

Guest Lectures

During the camp there were four guest lectures. Group discussions were held to assess the volunteers' comprehension in between the guest lectures. The groups were led by the Programme Officers Much enthusiasm was exhibited by the participants.

Learning of other languages

There was a session on learning of other languages on all the camp days. The session was arranged in such a way that the teacher participants would guide the teaching and learning groups in rotation so that the fully cycle of learning the other languages was completed

Group Games

The Director of Physical Education, Mr. Amalraj camp with some exciting group games in which all campers could actively participate. These were held between 4.30 and p.m. on some days.

Cultural programmes

All the Universities took an active participation in the cultural programmes every evening, The Programme Officers also presented many interesting items. The most exciting event to be reported during the seven day camp was the University Choir conducted by no less a person than Thiru M.B. Srinivasan.

Camp Fire

All the minor differences and sorrows were burnt off in the camp fire on the night of the penultimate day. It went on till midnight.

Evaluation

Camp evaluation was undertaken on the last day. The Madras School of Social Work also participated in the venture. Shri Sesa Reddy, Assistant Programme Adviser, NSS visited the camp.

Valedictory function

The Valedictory function was held on the 16th evening when Prof. Devendra Kumar, Vice-Chancellor, Gandhigram Rural Institute, Gandhigram delivered the valedictory address.

2. Women Day Celebrations

A passionate speech by Dr. Vasanthi Devi, Prof. of History and a prominent women's movement leaders, marked the International Women's Day celebrations, organised by the dept. of NSS on the 8th March, 1987.

Mrs.Rajam Krishnan, eminent novelist called for a fresh look at the evolution of society sans the legacy of anti-women attitudes of ages. 'An objective history of society is yet to be written' she said. Dr. RM. Periakaruppan, Prof of Tamil Studies of Madurai Kamaraj University presided. Dr.Meenakshi Murugarathinam also spoke. An exhibition on women affairs was also organised to enlighten the participants on the various issues afflicting women in the society.

3. District level meeting off NSS Programme Officers

Periodical monthly meetings of Programme Officers district-wise were organised to enlighten them with the guidelines issued by the Government time and again and to share with them the experiences. Invariably in all the meetings, officials of the development depts. and the voluntary organisations were also involved with a view to establish better linkage with all functionaries in extension work.

4. District level Advisory Committee meetings

The Government of Tamil Nadu have constituted district level NSS Co-ordination Committees with the Collector of the respective district as the Chairman and the Programme Co-ordinator as member secretary. The members of the Committee include two Principals in each district, all Revenue Divisional Officers, District Revenue Officers. District Medical and Health Officers, Executive Engineer of PWD, District Sports Officers, Co-ordinators, Nehru Yuva Kendra, Chief Educational Officers, etc. The district level co-ordination committee meetings were held in all the districts in Madurai Kamaraj University area. Among other things, the committees in all the eight districts resolved to involve the volunteers in the drought relief programmes and also in the construction of rural houses since the year 1987 being the year of shelter for homeless.

5. University Level Advisory Committee

The University Advisory Committee met under the Chairmanship of the University Registrar on the 9th September, 1987.

6. Annual Conference of Programme Officers

The problem of rural housing could be effectively tackled by facilitating purposeful mobilisation of indigenous resources in terms of men, money and materials, through the concerted efforts of individuals, co-operatives and Central and State Governments, a two day conference of NSS Programme Officers of Madurai Kamaraj University felt at Hotel Tamil Nady, Kodaikanal on the 25th and 26th April, 1987.

The Conference discussed the involvement of volunteers in rural housing programme during the International Year of Shelter for the Homeless (1987). The conference felt that the strategy for involving volunteers in the construction of houses under the scheme of Central and State Governments should be worked out with the district administration in the University area and target should also be fixed.

Prof. L.C. Thanu, Principal of S.T Hindu College, Nagercoil addressing the officers said the Government of India had made provisions for Rs. 577 crores for rural housing during the Seventh Plan period while the Tamil Nadu Government had drawn up a scheme to provide shelter for 30 lakh families. He said a concerted effort must be made during the year of shelter for the homeless to achieve the targets. Mr. Sesha Reddy, Asst. Programme Adviser, NSS Regional Centre, Govt. of India inaugurated the conference.

7. Conference of Principals of Colleges

The two day conference of Principals of colleges was held at Hotel Tamil Nadu, Kodaikanal on the 9th and 10th June, 1987. The conference was inaugurated by the Vice-Chancellor, Mother Teresa Women University Dr. (Mrs) J.K. Pillai and Major P.P. Chinnadurai, Registrar was in the Chair The two day conference addressed itself on two important issues namely involving volunteers in the rural housing programme and in the mass programme of functional literacy.

8. Environmental Awareness Campaign

Notable among the various programmes organised by the department of NSS was the campaign on Environmental Awareness from November 19th to December, 18th with Financial Assistance from Environmental Services Group - World Wild Life Fund - India, New Delhi.

The following are some of the important activities :

a) About 60,000 saplings were planted in Vaigai Dam catchment area by the NSS Unit of JA College for Women, Periyakulam.

b) Two trekking programmes were organised, one at Kodaikanal hills for college students and another at Alagar Koil hills for under privileged children.

c) Seminar on Environment was organised for students of colleges at Aditanar college of Arts & Science, Tiruchendur.

d) Cultural programmes, film shows were organised in several villages with the co-operation of the Directorate of Field publicity, Government of India.

e) Competitions were organised for school children and also for rural children.

f) Environment clubs and tree clubs were opened in colleges

g) Extension lectures at several colleges and at villages were organised.

9. Special programmes for students

a) The department of NSS in collaboratian with the Association of Social Health in India organised a one day seminar on 'Drug Abuse' on the 2nd February, 1987 at Tholkappiar Arangu, University City Complex. About 200 NSS volunteers participated.

b) A one day orientation programme on 'Student and Mental Health' was organised on the 20th March, 1987 at Madurai Institute of Social Work. 65 volunteers from mofussil colleges participated.

c) A two day seminar on family welfare was organised in collaboration with the family planning association of India, Madurai Branch on the 21st and 22nd March, 1987. 135 volunteers participated.

d) Two day training on Street Plays were organised at American College, Madurai for men and women volunteers on the 24th and 25th January, 1987 and on the 14th and 15th February, 1987 respectively. These programmes were organised to equip the volunteers with better communication skills which would help them while organising camps in villages. The University is happy to report that the

street plays were made popular among the villagers by NSS Units mostly through the special camping programmes.

10 Participation of volunteers in the Science Sammelan

The NSS volunteers of Madurai city colleges participated in a big way in the Sixth Science Sammelan organised by the University from 13th to 20th September, 1987 at University City Complex.

11. International Literacy Day Celebrations

The International Literacy Day Celebrations were organised at several villages by the colleges in the University area on the 8th September, 1987. Extension lectures, public meetings and cultural programmes with a focus on awareness marked the literacy day celebrations.

12. Independence Day Celebrations

The Independence Day Celebrations were organised in the University City Complex, Madurai-2 on the 15th August, 1987. The Registar, Major P.P. Chinnadurai hoisted the National Flag. The NSS volunteers nembering 500 drawn from the city colleges participated in the independence day celebrations.

In response to the direction given by the Ministry of Youth Affairs & Sports many colleges organised celebrations of the 40th Anniversary of India's Independence by organising essay and elocution competitions.

APPENDIX – N

DEPARTMENT OF ADULT, CONTINUING EDUCATION AND EXTENSION PROGRAMME

I. Staff :

Thiru R. Rengasamy – Director
Mrs. R. Muthulakshmi – Project Officer
Thiru. G. Ramakrishnan – Project Officer

II. Adult Education Programme :

Adult Education Programme of this University was launched as an extension programme on 30th May 1979 with 420 centres involving 43 colleges under the sponsorship of University Grants Gommission. The centres' activities have been expanded in 1984 under 'Point No. 16 of the New 20 Point Programme.-Eradication illiteracy, with a larger involvement of colleges, viz 67 colleges with an approved strength of 1000 centres.

1) Colleges implementing Adult Education Programme :

Sl. No		No. of colleges.
1.	Men colleges	53
2.	Women Colleges	14
	Total	67

2) Involvement of students, Teachers and Youth in the Programme :

Sl. No.	Nature of functionaries involved	Males	Females	Total
1.	Student instructors	507	115	622
2.	Non-student instructors	401	598	999
3.	Supervisors	54	13	67
4.	College teachers-incharge of the programme	53	14	67

3) Enrolment :

Learners enrolled

Males	:	10232
Females	:	14297
Total		24529
S.C.	:	9793
S T.	:	115

4) Adult Education centres organised during 1986-'87

Sl. No.	Location	No of centres for Men	Women	Combined	Grand Total
1.	Rural	181	236	211	628
2.	Urban	62	131	94	287
	Total	243	367	305	915

5) Area Development Literacy Programme

An innovative development programme - Area Development Literacy Programme under Adult Education Unit of the department was launched on 3-10-1987 at Ayilankudi Panchayat of Madurai East Panchayat Union in Madurai District-Four Adult Education centres have been started with the objectives of total development viz, 100/ literacy level; stablishing the population; extension of employment opportunities; conducting awarenees programmes etc in all the villages included in the programme. These programmes are undertaken in colloboration with the Canara Bank, North Veli Street, Madurai and State Resource centre for Non-formal Education Madras.

III. Mass Programme for functional Literacy : 1986-'87

i) No. of colleges involved in the programme	:	59
ii) No. of students who have volunteered to undertake the programme.	:	5903
iii) No. of learners enrolled	:	6693

iv) No. of literacy kits received from State Resource Centre for Non formal Education Madras : 10000

v) No. of literacy kits distributed : 9153

1987-'88

Till date the department has distributed 6188 literacy kits to 57 colleges out of 7000 kits received from State Resource Centre for Non-formal Education, Madras and it is proposed to involve 6930 student volunteers.

IV. Population Education Clubs :

50 colleges and one University Unit have organised Population Education clubs as per sanction of the University Grants Commission. The second intalment grant of Rs. 1,50,000 is released to colleges. The Population Education clubs have organised activities such as family welfare campaigns, meetings, seminars, competitions on population education aspects.

The Department in colloboration with the Assocation for Social Health in India, Madurai Branch, organised a seminar on social Health problems in India on 27th Oct. 1987 at Tholkappier Arangu, city Complex, west, Madurai - 2. Adult education programme officers, supervisors, adult education instructors, student volunteers of population education clubs and some selected social workers, participated in the seminar.

V. Continuing Education :

The department organised a course on 'Book Binding and Envelope making' for unemployed rural youths of Ayilangudi Panchayat from 24th to 26th June 1987.

In collaboration with community canning centre, Ministry of Food civil supplies, Government of India, a five day course on Food and preservation from 26th to 30th October 1987 was organised for the benefit of students of city colleges.

VI. Planning Forum :

35 colleges and one University Unit have taken up planning Forum activities with the approval of University Grants Commission. Total grant

of Rs. 1,50,000 is distributed to colleges for the current year. The Planning Forum Unit of colleges have organised symposium, conferences, debates and meeting etc. to create awareness and undestaking among students on plan activities.

VII. Women Studies :

Women study programme is implemented as a part of Adult, continuing Education and Extension. A workshop on 'Women studies' sponsored by the University Grants Commission was organised by the department from 24th to 26th July 1987. Adult Education programme officers and some selected representatives from voluntary organisation participated in this workshop.

VIII. P.G. Diploma Course :

A one year P.G. Diploma Course was started this year. 29 graduates were admitted. The course, besides four theory papers has one paper on practicals including field study project. Of the 29 students admitted 18 obtained first class and 3 second class.

IX. Documentation and Library :

Literatures and research materials relating to Adult Education programme are collected and preserved in the Department Library. A total number of 949 books and reports are now available as indicated below :

Sl. No.	Subject area	No. of books/ reports.
1.	Principles and theories of Adult Education progamme	134
2.	Educational Sociology	91
3.	Research	78
4.	Curriculum Development	23
5.	Methodology	46
6.	Training	20
7.	Science Education	20
8.	Educational Psychology	79
9.	Population Education	23

10	Life-long / Continuing / Correspondence / Distance Education.	26
11.	Adult Education in other countries	69
12.	Administration and Management	13
13.	Extension Education	7
14.	Environmental Education	9
15.	Educational statistics	4
16.	Women studies	25
17.	Workers Education	8
18.	Health Education	32
19.	Rural Development	37
20.	Documentation	13
21.	Departmental Publications	9
22.	Primers	33
23.	Supplementary Readers	117
24.	General	36
	Total	949

X. Audio Visual Unit :

An Audio visual Unit has been started in the department with the financial assistance of the University Grants Commission. Two video programmes i) Naanum padikaporen (நானும் படிக்கப்போறேன்). Duration -100 minutes - motivational and ii) Ezutharivippom (எழுத்தறிவிப்போம்) Duration - 100 minutes - documentary on Mass Programme of Functional Literacy to train the functionaries were prepared.

XI. Advisory Committee Meeting :

The University level advisory committee meets every year to review the work and approve the budget and plan of work of the Department.

XII. Certificates of Commentation :

557 student volunteers who participated in the Mass Programme for Functional Literacy have been issued certificates till date.

XIII. Seminars / Meetings / workshops / Orientation courses :

i) A workshop on Methods of social learning was organised in collaboration with the Luenuburg University, West Germany from 3-3-87 to 13-3-87. The students of the department and Lueneburg University, participated in the programme.

ii) A one day course on method of social learning was organised with the assistance of students of Lueneburg University for the programme officers and Supervisors of Adult Education.

iii) A meeting of supervisors of city colleges to discuss their role in the Mass programme of Functional Literacy and other related activities was held on 10-8-87.

iv) The International literacy day was celebrated as Adult Learners day on 19-8-87. Supervisors and Neoliterates (totally 54) participated in the programme.

v) An orientation to programme officers on Mass Programme for Functional Literacy was organised in collaboration with the State Resource Centre, Madras on 6-10-1987. 85 persons attended the orientation.

vi) A one day seminar on 'Social Health problems was conducted on 27-10-1987. 85 persons participated in the programme.

vii) A three day course on Social Health in India' was organised in collaboration with the Association for Social Health in India, Madurai Branch from 17th Dec. 1987 to 19th Dec. 1987 at Tholkappier Arangu.

Adult Education Supervisors and students of P.G. Diploma in Adult Education (35 participants) attended the course.

XIV Participation of core-staff in conferences / seminars / Training orientation courses / workshops etc.

A. Director :

i) Meeting convened by Tamil Nadu Corporation for Developmert of women Ltd:, Madras on 12 February 1987 for discussing a plan for Literacy of women.

iii) Regional workshop on Adult and Continuing Education sponsored by University Grants Commission at Madras University on 20th and 21st June 1987.

iii) National seminar on Development oriented Non formal Education organised by the Department of Adult, Continuing Education of Madras University at Madras from 3rd to 5th Sep. '87.

iv) Two day principals seminar on strengthening of students services (SSSS) organised by the Principal of Rajapalayam Raju's college, Rajapalayam on 20th and 21st November 1987

v) The annual conference of Tamil Nadu Board of continuing Education, Madras from 9th to 11th October 1987.

B. Project Officers :

Mr. G. Ramakrishnan attended a course on Videography organised by Yadava college from 2nd to 16th October 1987

XV. Important Visitors to the Department :

i) Shri D.P. Hira, Joint Secretary, University Grants Commission New Delhl, on 31-1-1987

ii) Dr. Davis will is of Japan on 3-3-87

iii) Prof. Wolf Engel Handt with a team of 13 students of Lueneburg University, West Germany from 3-3-87 to 15-3-87

iv) Mr. I Wallae from University of Reading, United Kingdom on 21-10-87

XVI. Others :

An exhibition of teaching, learning and other materials of every day science was put up by the department from 13th to 20th September 1987 in the sixth science Sammelan organised by the University in collaboration with All India Radio, Madras and Madurai.

DEPARTMENT OF YOUTH WELFARE

Director : **V. Dhakshimoorthi**

The Highlights of this year activities of Department of Youth Welfare are six Youth Festivals. Inter Collegiate Zonal Youth Festival of the University were conducted simaltaniously at Dindigul, Karaikudi, Tirunelveli and Nagercoil for three days from 24-10-1987 to 26 10-1987. Inter Zonal Youth Festival of the University was conducted at Sri Parasakthi College for Women, Courtallam for 4 days from 31st October to 3rd November, 1987. In all the Festivals competition were held in 92 events. During this year Chitrakavi and Martial Arts are new events introduced. Honourable Central Minister Thiru M. Arunachalam and the esteemed Vice-Chancellor, Dr S. Krishnaswamy have taken part in the inaugural function

The list of Conveners of Zonal level Youth Festival in given below :

1. Madurai Zone — Principal G.T.N. Arts College, Dindigul
2. Ramad Zone — Principal, Alagappa Govt. Arts College, Karaikudi.
3. Tirunelveli Zone — Principal, M.D.T. Hindu College, Tirunelveli.
4. Kanyakumari Zone — Principal, Women's Christian College, Nagercoil.

All India South Zone Youth Festival which was a part of U.S.S.R. Youth Festival in India was planned to be held at the Univertity for 4 days from 26-12-1987 to 29-12-1987. Elaborate arrangements were made to receive U.S S.R. Youth. But due to the sudden demise of the Chief Minister the Youth Festival was postponed to 9th January 1988 and held at the University campus at Palkalainagar for three days upto 11th January. 21 Universities have deputed 500 Participants to take part in 19 Cultural events. Special features of this Youth Festival are Medal for all the Participants and individual Prizes for all Solo and Group events. In the history of Youth Festivals this is the one which went a smoothly withuot any untoward incidence. Participants were provided with mementos. All the contingent leader were treated as guests in Faculty Guest House. The Vice-Chancellor played host for a Dinner on 10th January 1988. The Festival was inaugurated by to esteemed Vice Chancellor Dr. S. Krishnaswamy. The overall First Prize was awarded to Bharathidasan University. The Kerala University stood Second. Thiru L. Narayanan Chettiar, the emiment

local Industrialist delivered the valedictory address and distributed the Prizes

A 5 days Course on Counselling was conducted at St. Xavier's College Palayamkottai for College Teacher from 10th November to 14th November 1987.

A 15 days Course on a Videography was conducted at Yadava College Madurai from 2-10-1987 to 16-10-1987.

The Principals meet on Student Services was held for Two days on 23rd and 21st November 1987 at Sri Parasakthi College for Women, Courtallam. Dr. G. Venkatesan, Principal of Raju's College, Rajapalayam has conducted it effectively. The Vice-Chancellor has graced the occasion.

A special Project of Intensification of Student Services was prepared by the Youth Welfare Board and the following Colleges were provided with matching grant of Rs 3,000/- each.

A. Vocational Guidance, Advising, Counselling etc.,

1. Mannar Thirumalai Naicker College, Madurai.
2. Raju's College, Rajapalayam
3. S. R. Naidu Memorial College, Sattur.
4. Arignar Anna College, Aramboly.

B. Creative Talent Development

1. Yadava College, Madurai.
2. R.D.G. Arts Collge, Sivaganaga.
3. Ambai Arts College, Ambasamudram.

C. Development of Hobbies

1. E.M.G. Yadava College for Women, Madurai.
2. Margoschis College, Nazareth.
3. St. Jude's College, Thoothoor.
4. M.V. Muthiah Pillai Govt. Arts College for Women, Dindigul.

D. Personality Development & Leadership Programme

1. Dr. Zakir Hussain College, Ilayangudi.
2. Sree Sevugan Annamalai College, Devakottai.
3. Christian College, Martandam.
4. Sivanthi Aditanar College, Nagercoil.

Preparation of Exhibits for a Mobile Exhibition is in progress. Kalashetra School of Arts have kindly agreed to assist us in drawing the charts.

The Book Project on Student Services entrusted to the Principal of Aditanar College is in progress and expected to be fulfilled within six months.

The University has released an amount of Rs. 1,88,000/- towards Students Services Projects during this year.

APPENDIX–[illegible]

PUBLICATIONS DIVISION

The services of Dr. C.K. Mahadevan, Publication Officer has been further extended for two year w.e.f. 17-10-1987.

Publications

The following will be the additions, raising the number of publications to One Hundred in the present series.

1. தமிழில் பாயிரங்கள் - Dr. E.K. Ramasamy (nearing completion)
2. கல்வெட்டு கலைச்சொல் அகர முதலி - Dr. Govindarajanar ,,
3. கானல்வரி - முதல் தொகுதி - V. S. Gomathi Sankaraiyar ,,
4. கந்தபுரான ஆராய்ச்சி - Dr. N. Ramalingam ,,
5. தமிழ் - மலையாள நாவல் ஒப்பாய்வு - Dr. M. Tirumalai ,,
6. Research in Education - Dr. (Mrs) J.K. Pillai (Ed). ,,

Publications Committee

Chairman Dr. S. Krishnaswamy, Vice-Chancellor

Dr. B.R. Subrahamnyam, Syndicate Member

Dr. Rm. Periakaruppan. Prof. of Tamil

Dr. S. Subramanian, Prof. of Political Science

Dr. K. Dharmalingam, Professor of Biology

Dr. J.C.B. Abraham, Assistant Director, Centre for Biology Education

Ex-Officio Dr. C.K. Mahadevan, Publication Officer

The members of Publication Committee met on 27-3-1987 and selected 19 manuscripts for further publication

Selling Cell

The sales proceeds Publication for the year is Rs. 68,717.60.

The Publications Division participated in the exhibition organised in connection with the Sixth Science Sammelan from 12-9-'87 to 20-9-'87.

The books were also exhibited during the following University function/meetings

1. Ain-Tamil Vizha - 28/9/87 to 30/9/86
2. Seminar on Kuravanji organised by Sahitya Academy - 25/7/87
3. Senate Meeting 15th October

Dr C. K. Mahadevan, Publication Officer has bas been nominted as a Member of the Publication Committee of Gandhigram Rural University. A team consisting of publication officer, Asst. Registrar (Academic) and an Assistant from Gandhigram Rural University, visited the publications Division to take guidance for production and sales promotional in their University for the books to be published

APPENDIX - P

Details of Research Project under operation in the University Departments.

Sl.No.	Title of the Scheme	Investigator	Amount approved Rs.
	University Grants Commission:		
1	Committee on Strengthening of Infrastructure in Science and Technology-Biological Sciences		46,70,000
2	Department of Special Assistance - Mathematics		21,75,000
3	Department of Special Assistance - Biological Sciences II Phase		41,70,000
4	Introduction of M.B.A. Programme		1,00,74,000
5	Setting up Biology Curriculum Centre		31,50,000
6	Audio Visual Research Centre		21,00,000
7	Science Education Centre		4,00,000
8	Centre for the Study of Non-Violence and social Dynamics		2,08,000
9	Post-B.Sc. Diploma course in Computer Science and Application		7,25,000
10	Area Studies in Mauritius		1,80 000
11	Studies on the Assembly and Disassembly of the Chloroplast Membrane	Dr. A Gnanam	35,000
12	Studies on Rattan Palms of South India	Dr. D. Padmanabhan	1,17,000

1	2	3	4
13	Scope for the application of Androgens for intensive monosex (male) culture of Tilapia mossambicus	Dr. T.J. Pandian	1,85,300
14	Scope for the utilization of caffeine and theophylline for pest contro I - A Bioenergetics approach	Dr. S. Mathavan	1,00,200
15	Neucleo-cytoplasmic regulation of mitochondriogenesis in yeast : Role of heme in mitochondrio-genesis	Dr. C. Rajamanickam	2,06,400
16	Integration of cytosolically synthesized dehydrogenases into mitochondria	Dr. J. Jayaraman	64,800
17	Hormonal Basis of Avian circadian system	Dr. R. Subbaraj	66,000
18	Studies on Ethonol	Dr. P. Gunasekaran	1,32,000
19	Research and Development on Superionductivity	Dr. S. Balasubramanian	2,07,000
20	Newer Application of Silyat & Enamine reaction in the synthesis of Oxygen hetrocyclio compounds	D.P.V. Raman	61,000
21	Applied functional analysis and optimization theory	Dr. M.A. Sundaram	36,600
22	A study of graph with disjoint matching	Dr. Choudum	81,000
23	Geo economic survey cities of Tamil Nadu	Dr. M. Krishnan	48,400

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24	A Study of Telugu languages and Folk songs etc. in Madurai and Ramanathapuram Dist.	Dr. C.R. Sarma	46,000
25	A survey, analysis and description of Minority Languages in Southern Tamil Nadu	Dr. M. Israel	25,000
26	"Sacred Complex of the city of Madurai"	Dr. (Tmt) L. Thara Bhai	47,000
27	' Industrial Peace in Indian Industry - A study on the causes of harmony in collective labour management relationships"	Dr. K. Ramachandran	44,400
28	Translation of Thyagaraya kruties from Telugu to Tamil and Malayalam	Dr. T.S. Giriprakash	34,000
29	Regional parties in Tamilnadu - An empirical analysis	Dr. C. Gnanapragasam	29,300
	Minor Research Projects :		
30	Isolation and synthesis of glyco flavones of Biological importance	Dr. P. Ramesh	3,000
31	Role of metal ions in peroxide sulphur componds synthetic and catalytic studies	Dr. K. Pitchumani	5,000
32	Gel Growth Characterization and X-ray studies of some complexes of ammina acids	Dr. S. Natarjan	11,000
33	Leanred works in Human & Social Sciences (Minor project)	Dr. S. Krishnamurthy	3,850

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34	Adequacy of staff development programme for secondary education	Thiru S. Sinnathambi	7,700
35	"The Open University System of Madurai Kamaraj University-A Case Study."	Dr. S. Sathiagirirajan	4,400
36	Social Stratification of Tamil	Dr. (Tmt) T. Vasanthakumari	6,600
37	A study of the Handloom pure silk industry in Tamil Nadu	Thiru K. Chidambaram	7,700
38	Aham conventions in Alwar Hymns	Dr. (Tmt). P. Vijayalakshmi	3,000
39	"Marketing System in Pharmaceutical Industry"	Thiru R. Jayaraman	6,600
40	"A Bibiliometric Analysis and Evaluation of Reference in Research writings by Indian Authors"	Thiru R Paul Mohan Roy	1,650
41	"A psycho analytical study of of the novels of Virgin a Woolf"	Tmty. D. Parameswari	6,600
42	"Yakshi Workship in Kanyakumari District."	Dr. T. Natarajan	10,000
43	"The Use of production Economics to allocate resources in sugarcane production-A case study of Madurai District in Tamil Nadu".	Thiru R. Haridoss	4,400
44	An analytical study of textile industry with particular reference to an individual unit	Tmty. Punithavathi Pandian	6,600

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45	Performance evaluation of Tamil Nadu State Corporative Bank Ltd.	Thiru V. Rengaswamy	8,800
46	The determinants of consumption expenditure and saving of the household sector of the Madurai City 1983 84	Dr. M. V. Sachitanandam	4,400
47	Reference Groups of Doctors in - an organisational set up - A comparative study of two hospitals in Madurai city	Selvi S. Gokilavani	7,700
48	The Monuments of Nayaks of Madurai	Thiru S. Selvin Kumar	6,050
49	Some aspects of Technological change in public sector in industries	Tmt. S. Vijayalakshmi	4,400
50	A study of Madurai city bus service under Pandyan Roadways	Thiru G. Mohanram	8,000
51	Administrative bodies in Tamil Nadu	Dr. C. Gnanapragasam	10,000
52	Block Administration : An analysis for reform	Dr. C. Gnanapragasam	3,300
53	Intellectual community and its reorientation	Tmty. B. Nalini	9,100
54	A study of marketing system of the silk cotton industry in Tamil Nadu	Dr. R. Manarajan	9,000
55	An economic analysis of production of Chillies in Kamaraj District	Tmty A. Vijayalakshmi	9,500
56	Study of problems of Sri Lanka Tamil Refugees in Tamil Nrdu	Thiru S. Andiappan	4,400

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57	A study of urban public passenger transport in Madurai city	Thiru S. Vadivelu	8,000
58	Additional resource mobilisation efforts of Tamil Nadu through State taxation	Tmty. K. Deivamani	10,000
59	Collection of unpublished Tamil ballads, classification and analysis.	Dr. V. Saraswathi	10,000
60	A study on the factors influencing the cropping pattern in Ramanathapuram District.	Tmty.N.Manonmani	9,500
61	Economic aspects of Mango cultivation in selected areas in Madurai District.	Thiru B. Padmanandam	9,400
62	Distribution of income in Madurai District.	Tmty. S. Subbulakshmi	10,000
63	Correspondence in Vaddimor Nabokor and Edward Estlin Cummings.	Dr. M.K. Sripathi	8,000
64	Support for publication of journals in Humanities and social studies - Journal of Dravidian Gomparative Literature	Dr. V. Sachithanandan	5,000

Career Award :

65	Dr. V. Karunakaran		50,000
66	Dr. S. V. Hariharan		92,000

U.G.C. & Department Ocean Development

67	Establishment of Marine Station-cum Museum of Thiruchendur		11,00,000

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UGC and Department of Bio-Technology:			1,60,00,000
68	Assistance to selected University Departments for development of multidisciplinary teaching and training in Bio-Technology		
Departments Bio-Technology:			
69	Setting up of a National Infrastructure facility on Bio-informalics at Distributed Information Centres.	Dr.K.Dharmalingam	97,74,500
70	Expresion of Growth Hevemene Genes Microinjected into Eggs of Eeonomially important Fishes.	Dr.T. J Pandian Dr.K. Dharmalingam	10,59,000
Defence Researeh Development Organisation:			
71	Training in Computer Softeware-M.Sc. Computer Science		104,40,000
Department of Science and Technology:			
72	Unit of Neurobiology and Mechanisms of Behaviour	Dr.M.K. Chandrashekaran	13,69,050
73	Unit of Photosynthesis	Dr.A. Gnanam/ Dr G. Kulandaivelu	59,91,850
74	Regulation of Transcription and SOS induction in E. Coli	Dr.R. Jayaraman	17,51,000
75	"Molecular Mechanisms of Cell Proliferation studies on the Intracellular and secreted proteins of resting and Proliferating cells"	Dr.G. Shanmugam	15,28,050
76	"Molecular Cloning and sequencing the genes coding for restriction and anti-restriction proteins in E. coli and S. dysenterise"	Dr.K. Dharmalingam	26,95,635

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77	Studies on the HLA system with special reference to distribution genetics, and disease association	Dr RM. Pitchappan	11,13,200
78	Gene expression during cardiac hypertrophy molecular cloning of myosin heavy clain genes	Dr.C. Rajamanickam	6,24,800
79	Mitochondriogensis in yeast, Studies on the molecular Mechanism that relieve glucose repression	Dr.J Jayaraman	4,47,400/-
	Department of Environment :		
80	Ecological studies of Grazing land Ecosystem of Eastern Ghats	Dr. Kailash Paliwal	20,64,600
81	Western Ghats Development Project	Dr. Kailash Paliwal	14.87,200
82	Study of Air polution in Madurai	Dr. P. Muthusubra-manian	8,57,400
	Deputy Non-Conventional Energy Sciences		
83	Support for All India Co-ordinated project on Guayule	Dr. A. Gnanam	6,03,330
84	New Energy sources project proposals in University for establishment of Biomass Centre	Dr. A. Gnanam	11,31,700
85	Co-ordinated project on Hydrogen production by algae Bacteria and cloroplants and Hydrogenase systems.	Dr. G. Kulandaivelu	7,36,000
86	Augmentation of Biogas Tech-nology with special emphasis on substrate bio-degradation and combined bio-gas solar system	Dr. (Mrs.) R. Kasturi	4,97,800

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87	Action research and Development on Biomass Gasification for Mechanical, Electrical and thermal applications	Dr. T.M. Haridasan	32,39,400
	Council of Scientific and Industrial Research :		
88	Identification and characterization of productive cell wall antigens to solmonellosis in mice.	Dr. VR. Muthukkaruppan	1,67,000
89	The improvement of zymomonas mobilis of bioethanol production	Dr P. Gunasekaran	1,09,400
90	Expression of Metallothionein Genes in Yeast	Dr. J. Jayaraman	52,400
91	Explant Potentials in Coconut Cloning	Dr. D. Padmanabhan	—
92	Newer uses of alkoxymethyl ethers in organic synthesis	Dr. P.V Raman	63,128
93	Theoretical study of Electronic Structure of defects and impurities in semiconductor and metallic compounds using multiple scattering X-method"	Dr. K Iyakutti	48,860
94	Material entertaiment and eight relations of circadian rhythms in the field Mouse Mus Booduca	Dr. M.K. Chandrasekharan	4,12,600
95	Ecological Studies on the productivity of Chironomids in a sewage and a pond	Dr. T.J. Pandian	1,29,000

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Indian Council of Agricultural, Research			
96	Bioenergetics and production of Prawn Macrobrachiumtion	Dr. T.J. Pandina	2,37,400
97	Indo-US Colloborative project on Biological Nitrogen fixation by BGA (Cyanobacteria) and Azolla	Dr. S. Shanmugasundaram	8,02,800
98	Adhoc scheme on Plasmid Biology and genetic engineering studies on cyano-bacteria Isolation, characterization and construction of biocide and insect resistant forms for the use of bio-fertilizers in paddy fields	Dr. S. Shanmugasundaram	1,18,6C0
99	Isolation and mass cultivation of riycorhizal fungi associated with leguminous plants.	Dr. P. Gunasekaran	1,25,800
Indian Council of Medical Research			
100	Laboratory and Clinical studies on Eales' disease	Dr. VR.Muthukkaruppan	1,93,145
101	Long term of action of sub-lethal concentrations of biocide from the strain of Bacillus sphaericus on the physiology and reproduction of non-target insect predator.	Dr. S. Mathavan	1,40,000
102	Antidepresant drugs : effects on circadian Rhythm of mice Mus booduga.	Dr. R. Subburaj	87,000

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INSA Bursary Scheme :			
103	Purchase of Bird Cages with hopping Drinkometers Feeding cages, sound proof boxes	Dr. R. Subburaj	40,000
Scientific Commission Continuing studies on effects of Bhopal Gas Leakage on Life Systems :			
104	Studies on Toxicological Effects of MIC in simulated Microcosm	Dr. S. Krishnaswamy & Dr. T.J. Pandian	5,95,000
105	Immunological studies on lung Fibrosis Caused by Methyl Ico cyanate in Mice	Dr VR. Muthukkaruppan	3,95,080
Marine Products Export Development Authority:			
106	"Mass culture of fish feed organisms for prawns, fishes and frogs-Developing techniques and training programme"	Dr. T.J. Pandian	4,80,000
107	"All India Co-ordinated project on Survey on resources potentials of the Edible frogs in India and the present rate of Exploitation for Export',	Dr. T.J. Pandian	8,85,000
108	"Design to develop mass culture of Rana tigrina tadpoles	Dr. T.J. Pandian	4,25,000
Government of Tamilnadu :			
109	Centre for Photosynthesis Research	Dr A. Gnanam	1,83,500
110	Establishing and strengthening of Human Leucocyte Antigen Tissue Typing Research	Dr. RM. Pitchappan	6,32,000

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Tamil Nadu State Council for Science and Technology:			
111	Biological Control of weed growth in channels, tank beds and reservoirs	Dr. T.J. Pandian	9,00,000
112	Limonological studies to estimate fish production capa city of some irrigation tank of Tamilnadu	Dr. T.J. Pandian	7,11,000
113	Information on the effect of nutritious Noon-Meal Programme	Dr. (Mrs) J.K. Pillai	3,32,500
Indian Council of Social Science Research			
114	"The Nature of Researches undertake it Social Sciences and Diffusion of its finding"	Dr.G. Subramonia Pillai	8,400
115	'A study on the cost of production yield gap and Economic efficiency in Indian Agiculture: A case study of irrigated cotton in Madurai District"	Dr.G.Subramanian	51,450
116	"Informal Sector in Madural City-A Pilot Study"	Dr. R.E. Benajamin	9,975
117	Vocation Education for disabled students in Tamil Nadu - A survey	Dr. N. Muthiah	20,900
118	"HLA - Tissue Typing Services	Dr. RM. Pitchappan	1,00,000
Foreign Agencies:			
International Atomic Energy Agency:			
119	Chemodynamics of pesticides in rice-fish ecosystem	Dr. J. Jayaraman	1,00,000

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120	Potentials of the improvement of the nutrient qualities of Canara fermented and products	Dr. P. Gunasekeran	32,000
	International Foundation of Sciences :		
121	Mass production of Macro-brachium	Dr. S. Mathavan	2,75,000
122	Influence of various osmotic concentrations of the ambient medium of the growth and body composition of the Indian carp. Catla, catla.	Dr. A.K. Kumaraguru	1,36,300
123	Investigation of Solid Electrolytes	Dr. T.M. Haridasan	1,30,000
	Economic and Social Commission for Asia and the Pacific :		
124	Environmental Economics at the Tertiary Level	Dr. S.Krishnaswamy & Dr. V. Varagunasingh	37,500
	PL - 480 - USDA		
125	PL - 480 - USDA Research Project on Photosynthesis	Dr. A Gnanam	8,40,000
	Hindustan Lever Research Foundation		
126	"Effects of pesticides of paddy on paddy field Ecosystem : Ecopysiological and toxicological and residual consideration"	Dr. S. Mathavan	3,95,800
127	Expression of piAAI in E. coli and cloning of genes concerned with IAA production in E coli plasmids	Dr. S. Shanmugasundaram	3,06,800

APPENDIX — Q

DETAILS OF BUILDING WORKS UNDERTAKEN AND COMPLETED AND ALSO THE CONSTRUCTION OF BUILDING SCHEMES TAKEN UP DURING THE 1987.

Sl. No.	Name of work	Estimate Amount Rs.	Stage of work
1	Constn of Buildings for I-floor over Thamarai (Ladies)	6.75 lakhs	All works completed and Handed over
2	Constn. of Building for II-floor over Thamarai (Ladies Hostel.	6.[illegible]5 lakhs	Work is in progress work completed upto Sill level.
3	Contn. of additional Building over Men's (Kavimani) Hostel.	8 00 lakhs	Completed and handed over.
4	Constn. of Building for I-floor for Physics Department.	1.00 lakh	do-
5	Constn. of additional Building for Chemistry Department.	1.00 lakh	-do-
6	Constn. of additional Building for Animal House.	1.00 lakh	-do-
7	Constn. of Building for Immunology Department	7.20 lakhs	-do-
8	Constn. of Additional Building for TPM Library	12.5 lakhs	Work nearning completion. Finishing works are in progress.
9	Contn of additional facilities to Maths Department.	4.50 lakhs	Work completed and handed over.
10	Constn. of Building for Biology Complex.	30.00 lakhs	RCC roof laid for Ist floor. Further works are in progress.
11	Constn. of Lecturers quarters for Biology.	20.00 lakhs	Tenders finalised work to be started.

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12	Constn. of Professors quarters for Biology.	20.00 lakhs	Tenders finalised work to be started
13	Constn. of workshed for School of Energy	1.90 lakhs	Nearing completion
14	Constn. of Dining hall over Non semester section in the Admn. Block.	2.50 lakhs	Tenders called for
15	Constn. of 8 class rooms in the existing school in Palkalainagar.	2.50 lakhs	-do-
16	AVRC - Conversion of Open Air Theatre into AVRC with TV Studio	2.20 lakhs	Tenders called for and to be settled.

MINOR WORKS

1	Erection .f Kamaraj Statue infront of Admn. block.	Rs. 13,000/-	Work completed.
2	Paving granite stone alround Kamaraj statue	80,000/-	Work is in progress. Kerb stones are tobe laid.
3	Constn. of additional Building for AC plant adjoing to the Generator room for Plant Science Building.	67,000/-	Work completed and handed over:
4	Providing false ceiling in the Despatch block for Post Office.	5600/-	-do-
5	Prov. false ceiling in study centre at Palayamcottai	6,700/-	-do-
6	Constn. of valve chambers in the Campus.	5,500/-	Work completed.
7	Painting and repair work in the Evening College building.	36,500/-	Works are in progress.

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8	Deepening the existing well near Mu. Va. Arangu.	21,000/-	Work completed.
9	Altering the toilet block in the Canteen.	13,000/-	-do-
10	Constn. of shed for erection of sterling machine in the Biomass centre for School of Energy	14,000/-	Work completed and handed over.
11	Repairs to the patches for the existing road within the campus.	17,000/-	Work to be started after settling the contract.
12	Extension of store room in the Kurinchi (Ladies) Hostel.	20,000/-	Work completed and handed over.
13	Prov. weldmesh partition in the Strong room of Admn block.	14,000/-	Work completed.
14	Prov. barbed wire fencing around the buildings of Immunoiogy and Chronocubicles	25,000/-	Work to be started.
15	Remodelling the common instrument hall in the school of Bio. Science	16,000/-	Work is in progress
16	Constn. of generator room and Prov. false celling for the chamber and Prof. room for Chrono Biology Department	43,000/-	Work to be started
17	Constn. of parapet wall around the existing open well rear of Mu. Va. Arangu	6,000/-	Work completed
18	Constn. of the temporary fire-wood shed for Kurinchi (Ladies) hostel	13,000/-	Work to be started.

19	Prov. pipe line to connect the newly deepned well at the rear of Mu. Va. Arangu to the main line infront of Mu. Va Arangu.	13,300/-	Work to be started.
20	Constn. of pump room for the newly deepned well a' the rear of Mu. Va. Arangu.	6,000/-	-do-
21	Providing additional facilities to some of the room in immunology Department	10,000/-	-do-
22	Painting Tholkappiar Arangu	10,000/-	Work to be started.
23	Prov. barbed wire fencing alround the proposed MBA Building	16,000/-	Work to be started.
24	Prov. Volley ball court and improving the existing badminton and Tennicoit court in the Housing Board colony.	6,000/-	Work completed.
25	Constn of AC plant room to computer science Dept.	36,000/-	Work is in progress.
26	Remodelling the laboratory in the Bio-chemistry department	16,000/-	Work to be taken up.
27	Painting and other repair works in the Faculta Guest house	13,000/-	Work is in progress.
28	Providing I T window model AC in the computer room in ICC II - floor.	34,000/-	-do-
29	Prov. 62. KVA generator set in the newly constructed generator room rear side of Plant Science Building.	23,000/-	Work completed.
30	Prov. additional power plugs to the computer science building	11,400/-	-do-

1	2	3	4
31	Renewing the aged 3½×25 sq mm LTUG cable by 3½ × 50 sq mm. LTUG cable and replacing the defective main switch feeeding electric supply from main generator room to Admn. block.	14,830/-	Work completed.
32	Prov. additional EI for eraction of Modi Zerox machine for Political science dept.	9,500/-	Work in progress.
33	Prov. IT window model AC unit in the computer room in Sociology Department.	25,000/-	-do-
34	Providing separate distribution arrangement to the F-floor of the main Biology Blog.	30,000/-	Work completed.
35	Erection of 3 HP jet pump at the newly sunk borehole in Botanical garden.	13,400/-	Work to be started.
36	Prov. street light near the Plant breeding centre inside the Botanical garden.	7,000/	"Work in progrees.
37	Erection of 10 HP mino block pumbset is the open well behind Dr. Mu. Va Arangu.	32,000/-	Tender called for work to be started.
38	Prov. EI & fans and power wiring in the workshed for Energy Dept.	65,000/-	-do-

APPENDIX—R

ACHIVEMENTS OF THE COLLEGES

I. There are 117 affiliated colleges to this university with a total students enrolment of 76,523

A statement furnishing the names of affiliated calleges, courses offered etc., are given in APPENDIX—E

The names of the candidates who have secured first rank in the Annual Examination of 1987 held for the various subjects are furnished below :

Sl. No.	Name of the Candidate	College	Subject
B.Sc.			
1.	S. Vallikannu	Fatima College, Madurai	Part I - Tamil
2.	H. Sangeetha	-do-	Part I - Hindi
3.	S. Annie Shyla	Holy Cross College, Nagercoil	Part I - French
4.	Kumari M.B. Subaja	-do-	Part I - Malayalam
5.	S.A. Naina Mohamed	S.A. College, Palayamkottai.	Part I - Arabic
6.	S Jeya	S.A. College, Pallauttur.	Part I - Sankrit
7.	H. Sangeetha	Fatima College, Madurai.	Part II - English
8.	V. Sundarapandian	S.N. College, Madurai,	Mathematics
9.	M. Asokan	A.N.J.A. College, Sivakasi.	Botany
10.	M. Kulandaivelu	Sri Paramakalyani College, Alwarkuichi.	Chemistry
11.	A. Sridhar	Alagappa College, Karaikudi.	Physics
12.	S. Suthamathi	Nazareth Margochis College, Pillyanmanai.	Zoology
13.	P. Navaneetha-Krishnan.	V.O.C. College, Tuticorin.	Geology
14.	J. Jeyarama-Sundaravalli.	M.V.M.P. College, Dindigul.	Geography
15.	R. Prathiba	Fatima College, Madurai.	Home Science
16.	OM. Ganapathy	P.M.T. College, Usilampatti.	R.D. Science

1	2	3	4
B Com.			
17.	V Sridharan	St. Xavier's College. Palayamkottai.	Commerce
B.A.			
18.	V.P. Mary Josphin	Christian College, Martandam	Tamil - MAJOR
19.	H. Malarvizhi	Fatima College, Madurai.	English - MAJOR
20.	M. Jeyaraj	Christian College. Martandam.	History
21.	M. Suseela Bai	Sivanthi Aditanar College, Pillayarpuram.	Economics
22	T. Ponmalar	Fatima College, Martandam	Sociology
23.	A. Albert George Alexander.	Arul Anandar College, Karumathur.	Philogophy
24.	S. Prakash	A.P A. College of Arts & Culture, Palni.	Indian Culture
B.B.A.			
25.	P. Sundaram	A.P.S.A. College, Tiruppattur	Busines Administration.
B Music			
26.	V. Santhi	Sri Sathguru Sangeetha Vidyalayam, Madurai.	B Music
27.	B.A./T.L D. Devika (Spl.)	Sri Meenakshi Govt., College for Women, Madurai.	Fconomics
M.K.U.Department			
M Sc.,			
28.	S. Vaithiyanathan	Univ. Department (Economics)	Mathematical Economics.
29	R. Viswanathan	,, (Physics)	Physics
30.	M. Santhi	,, (Chemisty)	Chemistry
31.	G. Lakshmi	,, (Maths)	Mathematics
Affiliated Colleges			

1	2	3	4
M.Sc.,			
32.	M. Thangam	Sarah Tucker College, Palayamkottai	Physics
33.	Jeya Subramanlan	A N.J.A. College, Sivakasi	Chemistry
34.	S. Sathya	S.F.R College for Women, Sivakasi.	Mathemtics
35.	Benjamin Rajah	Arul Anandar College, Karumathur.	R D. Science
B Ed.			
36.	Caroline Santha	St. Ignatius College of Education, Palayamkottai.	B.Ed.,
B.G.L/B.L (Three years)			
37.	A. Govindarajan	Law College, Madurai	Law
38.	U. Subburaj	Law College, Madurai	Law
M Sc.			
38.	S. Geetha	University Department	Geography.
39.	S. Sheila	-do-	Peace Making.
40.	R. Suganthi	V.S. Sivalingam Arts College, Pulankurich.	M.Music.
41.	V. Tom Chacko	V.O.C. College, Tuticorin.	Geology.
42.	S. Ilangumaran	Madurai Kamaraj University.	Bio-Technology
43.	K.V. Mini	Women 's Christian College, Martandam.	Botany.
M.Com.			
44.	L.Jenitra.	St. Mary,s College, Tuticorin.	M.Com

II. Details of achievements of the colleges which have sent in regard to their co-curricular activities etc. are furnished hereunder :

1. Arul Anandar College Karumathur :

S. Britto Arockiaraj, II B.Sc. (Rural Development Science) represented the University in the Inter-University (South Zone) held at Dharwar for the game Hockey.

R. Arulraj III B.Sc. (R.D.S.) was selected to represent the University in cycling.

A two day seminar on Indian Industrial Science was held under COHSIP.

An Inter collegiate seminar on English for slow learners' under the COHSIP programme was conducted in March 1987.

The department of Tamil conducted five debates and a seminar on Folklore Arts.

The department of History conducted a one day seminar on 'Towards Socio Economic Liberation of Tamilnadu and the jesuits of Madurai mission in this year.

Two students, Jebaneesan cross and P. Stephen Sundraraj of III B Sc. Maths. participated in the first two rounds of the Inter-Collegiate Quiz competition organised by the Department of Mathematics of the University

A research project was undertaken to study the impact of Arul Anandar College on Karumathur and its surroundings.

In the month of February 1987 a trekking cum adventure camp was organised and 25 students and four staff participated,

In the month of December 1987, two special campaing programmes were organized in Kombai chozha village.

Twelve NCC cadets went for the combined Annual Training camp at Palni.

2. Arulmigu Palaniandar College, far Women, Palni

M. Shanthi, II B.A. Tamil participated in the Inter-University Kabadi game.

A seminar on Drug Abusement was organised at the Inter-Collegiate level.

A cycle expedition was arranged to Varadhamanathi Dam.

Two NCC students participated in the cycle expedition from Madurai to Madras.

3. *Cardamom Planters' Association College, Bodi.*

A. Sundramoorthy, II B Com. obtained II place in 10,000 mts dash and III place in 5000 metres dash in the University. In A Zone Atheletic meet, he obtained I place in 10,000 mts. dash in the university Inter-Zonal level Athletics meet.

The college runs 10 adult Education centres in nearly villages. Mass literacy programme and population Education clubs were also conducted. Under the auspices of Vocational Guidance Bureau, the students have been guided on self employment programmes etc

NSS volunteers of the College participated in the Inter collegiate seminars and camps. The Programme Officer of the college attended the Refresher course held at Coimbatore.

A special camp was conducted during February 1987 at Pachai Koomachi village.

4. *Fatima College, Madurai*

The college teams were winners in Basket ball, Ball Badminton, Tennikoit at the Inter-collegiate Tournament of North Zone women held at Palni.

The following students represented the University team :

Ball Badminton	—	Ruby Alphonse Mary III B.Sc. (Chem.)
Basket Ball	—	C. Beulah Vijeyaram I M.Com.
		K. Sumathi and L. Sujatha III B.A. sociology

The following students of the colleges obtained First prize at the events conducted at the IX Youth Festival held at courtallam.

S. Hema	III B.Sc. Phy.	—	Elocution-English
Shakila Banu,	III B.Sc. Zoology	—	shortstory writing-Tamil

Karpagham,	III B.Com	–	Vocalsolo carnatic and Folk Music solo.
V. Srividya	III B.Sc. Zool.	–	Instrumental solo Carnatic Instrumental solo - light
Anitha	II B.Com.	--	on the spot painting
Sr. Amalarpavam	III B.A. (Tamil)	–	Flower Arangement

The college was awarded the shield for the Best women's college in the Zone in the Youth Festival events.

5. *Government Arts College, Melur*

NSS volunteers constructed ten houses for poor people in the Odugampatti - Poolampatti village of Natham Taluk

6. *H.K R H. College, Uthamapalayam*

Mass Immunization for children was conducted at K G. Patti by the NSS students, With the help of the Union Bank of India loans to the tune of I½ lakhs were distributed to the economically backward people and unemployed youths.

Eco development camps were conducted by NSS students

7. *Jeyaraj Annapackiam College for Women, Periyakulam*

The following students obtained the prize at the Youth Festival events.

Sakunthala	III B A. English	–	II Prize in classical dance
Shanthi	III BA.. English	—	I prize in folk dance III prize in Rangoli.

NCC cadet M S.P. Gnanajothy attended the Republic day parade at Delhi.

The college received the trophy for scoring maximum marks in various competitions conducted at V.H.N.S.N. College, Virudhunagar, in connection with the special NCC day cellbrations to promote the creative potentials of NCC cadets of Madurai group.

A ten day NSS special camp was conducted at Vaigai dam in October 1987. Youth for Economic Development was the focussed objective of the camp 45,000 saplings were planted.

8 Lady Doak College Madurai :

The following special programmes have been undertaken as cocurricular activites during the year 1987.

1) Fine Arts 2) National Integration - saniti 3) Debating club
4) Dramatic club 5) Students Christian movement 6) College choir
7) Rotract club 8) Jaycee club 9) Planning forum etc.

Orientation programme was organised to new students

College work scholarships were provided two students who wish to work in the library, departments etc.

The following students participted in the Inter-University games.

R. Malarvizhi, I.B.A. Economics - Basket ball

S Ananthi, I.B.A. History - Kabadi,

P Amudha, I.B.Sc.Spl. Chemsitry - Kabadi

G. Gracia Renjithem, II B com. - Volleybell.

9 Madura College, Madurai.

The college became winners in kabadi in the A zone and runners up in the Atheletics and Basket Ball.

The following students represented the University in the following games.

Natraj Muruganantham, IIB.Sc. - Shuttle Badminton
S. Balaji, III B.A. Table tennis
R. Rajnarayanan II B.Sc. - Cricket.
S Kothandararaman II B.Sc. - Cricket.
R. Ramdoss, I. B.Com. - Cricket.

Thiru Dharma Veera pandian, I B.A. Philosophy represented Tamilnadu in the karatee competition held at Hyderabad and won second prize in all India level.

J. Ramadoss I B Com. played for Tamilnadu under - 19 Cricket Team in the coach-Bihar Tournament at Goa. He also played for both Junior and Senior teams, for Madurai District.

The two units of NSS organized regular activities such as Traffic service poor children education etc. It also organized special programme. Blood Donation programmes had also been organized, and the Palaniappan Ever Rolling shield for maximum blood donated in a year was recevied.

Dr. N. Murugan, Department of Zoology completed a research project entitled Mass Culture of fish feed - Daphnia

Dr. K.G. Sivaramakrishnan and Dr.K. Venkataraman were investigating a UGC sponsored project entitled Biosystamatics of mayflies of Palni, Anamalai and Cardamom hills.

The students of the college actively participated in various cultural events under the auspices of Youth Festival and K. Sriram. K. Sheshachari, M. Kribanandom, G. David and Dharma veera pandian have secured First prize in various cultural events.

The department of physics conducted classes to train students for GATE and entrance examination to Indian Institute of Science -

10 Madurai Institute of Social Work, Madurai

Group of ten students partcipated in the Cultural fiesta called 'Resonance' organized by the Tata Institute of Social Science students volunteers of NSS organized awareness campaigns in the nearby villages. Adult Education wing has ten centres at various villages.

Mr. S. Koodalingam faculty member has undertaken a research project on "Drug addiction in Madurai slums" sponsored by the UGC. The Institute started a family counselling centre which triee to alleviate the miseries of the people through councelling.

A separate body called "spread" the society for the promotion of research, education and development was registered under the Tamilnadu Societies Act. The main objectives of the centre is to function as a research foundation for conducting scientific research on behalf of Goverment and Non-governmental agenicies and to spread out development activities for national building.

11 M.S.SW.B. College Madurai

The college has secured 65 points in the University A Zone meet held at Madurai and retained the Rev. Paulraj Thomas Memorial rolling shield seventh time in succession. T.P. Sivkumar III B.A. has been selected for 400 metres hurdles in the Inter-University Athletics meet.

The college team won the Uuiversity A Zone Football Tournament.

M. Ravindran, I.B.A. and C. Lognatha Balaji, I.B.A. represented inter University Tounnaments. Seven students of the college were selected

for the Inter University cricket Tournament. Thiru M. Venkataramana III B.Com student was selected as skipper for the University cricket team.

12 M.V. Muthiah Government College for Women, Dindigul.

E. Uma, II M.A. English represented in the Inter - University Volley ball tournament.

13 Sri Meenakshi Govt. Arts College for Women, Madurai

The names of students participated in the Sports activities are given below:

K. Shanmughavalli and R. Uma - University team for Basketball

S.V. Tamilarasi III B.Sc. Physics - Athletics.

S.V. Tamilarasi II B.Sc. Physics K. Murugeswari. II B.Sc. Geo P. Mallika, II B.A. History	Kho - Kho.
C. Venkatalakshmi III B.A. History E. Lilly Geethanjeli I M.A. History	Kabadi.

14 Thiagarajar College, Madurai

Autonomous status was granted during the year.

The following students represented the University team in Basket ball.

A. Moorthy, II M.A. Tamil, L. Chellapandi III B. Sc. Physics

G. Shakthivel, II B.A. Eng. R. Ganesh, III B.A. English.

The following studen's have qualified for the university Athletics team in A zone sports meet 1. K. Thangam - II M.A. Tamil - 800 metres of 1500 metres. 2. Moorthy - III B.A - English - Long jump of triple jump

15 Vivekananda College, Tiruvedagam :

Autonomous status was granted during the year.

Financial assistance was granted to the following teachers, by the U.G.C.

Thiru R. Sevvel, Asst. Prof. of Chemistry.

Thiru C.R. Anantharaman, Asst, Prof, of Sanskrit.

Thiru C. Lakshmanan, Asst. Prof. of Commerce.

16. Aravind Eye Hospital Madurai

Dr G. Venkataswamy, Director of the Institute was awared the Helen Keller Award.

Training programme were organized for foreign national.

17. Madurai Medical College, Madurai

Jeevarathinam, III MBBS represented in the Inter University games for cricket.

The college organized Fine Arts Festival. It also participted in the VI Science Sammelan Dr. S R. Sachidanandam, Professor of Anatomy received the Best Teacher Award in Anatomy, awarded by the Indian Medical Association, Tamilnadu.

Mr A.V. Subramanian was awarded cash asward for best student in Anatomy, by Indian Medical Assoication, Tamilnadu. He also received first prize and cash award in Quiz competition held by the Madurai Chamber of Commerce.

18. Lakshmi College of Education, Gandhigram

A workshop on "Need Based Education "for girls was organized and 25 women teachers from Anna district participated.

The students participated in the essay and eloquition competition organized by women's Welfare Department of Anna District on 2nd March '87. Selvi R. Uma of M.Ed. and Selvi M. Fathima Beevi B.Ed., secured the second and third place in essay competition and Selvi G. Manonmani, B.Ed. secured seeond place in eloquition competition.

19. Madurai Law College, Madurai

In the Inter-Collegiate oratorical contest in Tamil held on 26-2-87. Thiru S. Ravi IV B L. won the I prize.

Many students have won the prizes in the Zonal level competition at the VIII Youth Festival conducted by the Youth Welfare department of the University. In the Inter Collegiate cultural competitions held on 21-3 87 the college was held as 'The overall champion' and was awarded 'The Rolling Shield'.

Two students of the college have taken part in the 'All India Moot Court' held at Pondicherry S Ravi and K. Ravi Anantha Padmanabhan, IV B.L.

students were selected as the best team and was awarded the first prize. They were won the Rolling Trophy.

The Inter-Collegiate 'A' Zone Class Tournament was held at Saraswathy Narayanan college, Madurai. This college was represented by Thiru S.D. Dwarkanath of B.L. class and he won the Championship. Thiru T. Lajapathy Roy of IV BL class brought credit to the college by winning the First place, in High Jump in the 'A' Zone Athletic competitions. Thiru S.D. Dwarakanath of B.L. Class Selvi M. Pitchammal of B L. Class were selected to represent the University in Chess were selected to represent the University in Chess and Kabaddi respectively

20. Ayya Nadar Janaki Ammal College, Sivakasi

In the District Pongal Sports meet held at Virudhunagar the College Atheletic Team won the Championship in the total points (100 meters - First, 400 Mts. - First ; 800 mts - Second, Shotput - First 4 × 100 mts. Relay-First).

In the Madurai Kamaraj University 'C' Zone Chess Tournament the College won the Runner-Up position.

In the District Weight Lifting Competition, the College Weight Lifter won the First place.

In the 'C' Zone weight Lifiting Competition the college Weight-Lifter won the second place in the Feather group.

In the Madurai Kamaraj University 'C' Zone Athletics meet - the College came second position with the total points of 34. (100ts. - First & Third, 200 mts. - First, 400 mts. - Second 800 mts - First, 1600 mts. Hurdles-Third, Jaulin-Third, Pole Vault - Third, 4x 100 mts. - Second). In the Madurai Kamaraj University Inter Zone meet the College Atheltic came third place in 200mts each.

A special talk on Population problems of India was arranged on 24-7-87 under population Education club.

The celebration of International Literacy Day was held on 25-9-87.

A special programme of seminar and one day camp was conducted on 20th and 22nd November 1987.

21. Dr, Zakir Hussain College, Ilayangudi

The college organised "a Research Collequium on Science in Tamil" on 21st and 22nd February 1987. It was to encourgge science writing in Tamil Writers, Scientists Vice-Chancellors, Acadmicians, Thavathiru Kundrakkudi Adigalar, participated in the colloquium. As a result of the colloquium conducted, three books in Tamil were published.

1. ''அறிவியல் வழி தமிழ்''
2. ''அறிவியல் மஞ்சரி''
3. ''உயிரியல் உலகம்''

22. Sri S. Ramasamy Naidu Memorial College, Sattur

V. Raj and party won the I prize for Villupattu event at the University level Youth Festival. K. Mariapran won the III prize in Mimicry event at the University level youth festival.

Cadet S. Shanmughavelu and Cadet V. Venkateswaran attended the All India Trekking Expedition 1987 at Goa from 1-10-87 to 22-10-87.

Cadet. N Murugan and Cadet P Raja Chandrasekaran attended Army attachment camp held at Wellington from 1-2-87 to 21-12-87.

23. Sethupathy Government Arts College, Ramanathapuram

Tree planting in the entire campus of the college, was undertaken

24. The Standardard FireWorks Rajarethninam College for Women, Sivakasi

A three day Seminar on : Indian Writing in English : was conducted in August 1987.

Seminars under COHSSIP were conducted. Tamil literary Association meeting was organized on 22.1.87 and 30.7.87.

A meeting of the Heads of the deparment of Mathematics of Kamarajar District clustea of Colleges was held on 28.3.87 and a plan was chalked out for joint faculty programme to be held during the academic year 1987-88.

A Seminar was conducted on 31.8.87 by the History Department.

25. V.H.N.S.N College, Virudhunagar.

Mr. S. Selvasundram II B.Sc. (Zoology) attended the Southern Inter University Waste Land Development camp at Madurai.

5 Students of the college attended the Anti-Dowry campaign organised by Madurai Kamaraj University at Madurai.

Hanee Omar Sulaiman Ever rolling shield was awarded to the college NCC by the Blood Donor's Club, Madurai for the highest percentage of Blood Donated by the Cadets during 1987.

Two of cadets attended advanced Leadership camp with Rock Climbing at Neyyoor during May 1987.

Ex.Cadet D. Arul Barnabas Udayakumar was commissioned in the Indian Army in the passing out parade conducted at Indian Military Academy, Dehradun during January 1987.

Five of the cadets attendede the Trekking Expedition and Goa during September 1987.

One Officer and two cadets were selected and attended the I pre R. D. Camp at Madras and the II Pre RD camp at Pondicherry during June 1987 and September 1987 respectively.

In the IX Zonal Level youth Festival at Karaikudi, Thiru A.Prince, II M.A. and Thiru S. Ramakrishnan I M. A. English participated in 5 literary events and came out successfully in all the events bagging 5 medals each.

26. Mohammed Sadak Engineering College, Kilakarai

Madurai Kamaraj University - IX Youth Festival Zonal:

1.	Vocal Carnatic Solo	Mr. S. Umamaheswaran	III B.E.	— I Prize
2.	Short Story Writing(UG-Tamil)	Mr.A. P. Ravi	III B.E.	— I Prize
3.	Verse Writing (UG Tamil)	Mr. N. Anbubhezhian	III B.E.	— II Prize
4.	Dumb Charade	Mr. A.P. Ravi Mr. S. Suresh Mr. K. Thirumavalavan	III B.E.	— II Prize

5. AD MAD	Mr. E. Vinod Kumar, Mr. S. Umamaheswaran, Mr. N. Raja. Mr. Rajesh K. Chandy	I B.E. III B.E. III B.E. III B.E.	– III Prize
6. Elocution (UG) English	Mr. E. Vino Kumar	I B.E.	— III Prize
7. Debate (UG) English	Mr. E. Vino Kumar Mr. Rajesh K. Chandy	I B.E. II B.E.	- III Prize
8. Quiz	Mr. R. Sivasubramanian Mr. Rajesh K. Chandy	II B.E, II B.E.	– III Prize

Madurai Kamaraj University IX Youth Festival Final

I. Carnatic Music	Mr. S. Umamaheswaran	I Rank	– III B.E,
II. Dumb Charode	Mr. A.P. Ravi Mr. S. Suresh Mr. K. Thirumavalavan	III B.E. III B.E. III B.E.	– II Rank

27. Arulmigu Kalasalingam College of Engineering, Krishnankoil:

1. 14th, and 15th March 1987	Youth Festival - 86-'87 conducted at Aditanar College of Arts and Sciences, Thiruchendur. The College bagged 3 first prizes.
2. 10, 11th April 1987	Two day camp of NSS was held at Andal Temple Srivilliputhur. The temple and its surroundings were cleaned
3. 29-4-87	Blood donation camp jointly conducted by NSS of the college unit and Blood donors club, Madurai Medical College Madurai. 77 students and staff donated blood. For this the college was presented with a cup on 21-11-87.
4. 14th September 1987	A tree planted ceremony was held. 100 trees were planted.
5. 24, 25 and 26th October 1987 31-10-87 ; 1, 2nd November 1987	Zonal level youths festival held at Goverment Arts College. Karaikudi, University level. Youth festival held at Sri Parasakthi College, Courtallam. College won good number of awards in both the festivals.

6. 29-11-87 S Mariappan II B.E. Civil and A. Annarasa II BE Civil came first and Third in the elocution competition codnucted by Sri Ramakrishna Vivekananda Mandram Srivilliputhur, for college students.

28. Nazareth Margochis College, Pillayanamani
Games :

a) K. Joseph, III B.Sc. and K. Livingstone Monickaraj III B.A. represented the University in Foot ball.

b) N. Jayakumar, II B.A. represented the Tamil Nadu Junior Foot ball team.

c) J. Nobel Stanley of III B.Com represented the University in Kabaddi.

II. Co-curricular Activities :

The following programmes were undertaken under co-curricular activities ;

1. National Service Scheme :

Social Welfare, Free Medical Camps, Environment Awareness; Tendays special camps at Backward areas.

2. Population Education Club :

Family planning ; Mother and Child care Health and Hygiene.

3. Mass Literacy Movement :

Adult Education, Filmshows (screening educative and documentary films in slums and Harijan colonies,)

4. Youth Welfare Activities :

Conducting seminars Quiz. Eloquition and essay writing competions, Music etc.

5. *National Integration compaign* :

6. Drive against untouchability.

29. Aditanar College of Arts and Science, Tiruchendur

I Names of Students who attained distinctions, participated in the Inter-University games representing the University from the College.

1) S. Kannadhasan I B.A. was selected to represent T.N. State Junior Team in the Junior Nationals held at Bangalore during the last week of January 1987.

2) Our Athletes got the following places in the T. N. State Junior Athletic Meet held on 3rd and 4th January 1987 at Madurai.

a) S. Kannadhasan I B A. Triple Jump First place

b) T. Sivakanthiappan I B.Sc. Shot Put First place

3) N. Alwar, I B.A. was selected to represent T.N. State Rural Team in the Nationals held in Assam during the last week of January 1987.

4) The following students of the college have been elected to represent the Madurai Kamaraj University Weight Lifting and Best Physique team in All India Inter University Weight Lifting and Best Physique Competition to be held at Mysore from 12-1-87 (1986-87)

N. Sermasekaran II B.A.
G. Sivaramalingam III B.A.

5) The College Tennis Team emerged winners in the Madurai Kamaraj University 'C' Zone Tennis Tournament held at A.J. College, Sivakasi on 9-2-87 and 10-2-87.

6) The College Kabaddi Team has won 'The Aditanar Cup' by emerging winners in the Madurai Kamaraj University Inter Zone Kabaddi tournament held at Madurai on 23rd and 24th February, 87

7) The College was awarded "Dr. M. Varadarajan Memorial Endowment Silver rolling Trophy for the year 1986-87 as the college has contributed maximum number of players to the University teams to participate at the Inter-University tournaments during the year 1986-87

8) The Vice-Chancellor, Madurai Kamaraj University has sanctioned an amount of Rs. 500/-for each of the members of the Madurai Kamaraj University Kabaddi Team (men) for the year 1986-87 as an incentive for the players for having won the Inter-University South Zone Kabaddi (Men) Championship for the year 1986-87 held at Annamalai University, Chidambaram in November 1986.

The following five students of the college get Rs. 500/-each

1. A. Mariappan
2. M. Edmund
3. G. Velayutham
4. M. Kannan
5. P.S. Baskar

9. The College emerged runners-up in the Inter - Collegiate 'C' Zone Volley ball tournament held at Nazareth on 25-9-87 and 26-9-87.

10. The College Kabaddi Team emerged winners in the Inter-Collegiate 'C' Zone Kabaddi Tournament held in Papanasam from 27th to 29th instant.

11. The College emerged runners up in the Inter-Collegiate 'C' Zone Table Tennis Tournaments held at Kovilpatti on 18-9-87.

12. The College emerged champion in the Inter-Collegiate 'C' Zone Athletic meet held at Anna Stadium, Palayamkottai on 16th and 17th October '87.

Points scored by the College : 106

13. The students have come out meritorious in the weight lifting competition in the Inter - Collegiate Madurai Kamaraj University 'C' Zone Competitions held at Tuticorin on 25-10-87.

1.	E. Sermasekaran	... III B.A.	First	Feather Weight
2.	C. Murugesan	... III B.Com.	First	Light Weight
3.	P. Swamy Iyyah	... I BBA	First	Middle Weight
4.	T. Sivakanthiappan	... II B.Sc. (M)	First	Middle Heavy Weight
5.	S. Sivarajan	... III B.B A.	Second	Bantam Weight
6.	R. Thiruvalluvan	... III B.B.A.	Third	Light Weight
7.	B. Venugopal	... III B.A.	Third	Light Weight
8.	D. Gnanaraj	... II M.A.	Third	Middle Weight Best Physique contest

14. The following students of the college won the First, second place in the Inter Zone Athletic Meet (University) held at Madurai on 27th and 28th October 1987.

1.	T. Sivakanthiappan	... III B.Sc.	Shotput, Discuss	First
2.	N. R. Murugesan	... II B.A. (Eco.)	110 M H Long Jump	First

3.	S. Kannadhasan ...	II B.A. (Eco.)	Triple Jump	First
4.	A. Ravichandran ...	III B A. (Eco.)	High Jump	First
5.	K. Sivasankar ...	I B.Sc. (Z)	Pole Valt	First
6.	G. Asokkumar Arulraj ...	II M.Sc.(M)	Hamer	First
7.	G. Thinakar ...	II B.A. (Eco.)	100 M	Second
8.	G. Selvan ...	I M.A. Eco.)	110 M Hurdles	Second

Our 'C' Zone has emerged champions, scoring 73 points, of these, our College has contributed 69 points.

15. The following students were selected to represent the Madurai Kamaraj University Teams: (1987-88)

Foot Ball

1. S. Albert Gunasekar .. II M A. (Captain of the University Team)
2. A. Arockia Britto ... III BBA
3. Melchizedek ... I B.A. (Eng)

Kabaddi

1. G. Velayutham ... III B A. (Captain of the University team)
2. Rajeev Prince Aaren ... III B.Com.
3. Sivanarayana Rajan ... II B A.

II. Special Programme undertaken under - Cocurricular activities:

i) A seminar on "Improvement of English Language Teaching" sponsored by the University Grants Commission, New Delhi was held in our college from 8th to 12th January 1987. 35 participants from all over Tamil Nadu attended.

ii) 8th Youth Festival of Madurai Kamaraj University (Inter - Zonal) was conducted in our college on 14-3-87 and 15-3-87.

iii) The Youth Zone Inter - University Kabaddi (Men) Tournament was held in the College from 9-11-87 to 15-19-87.

iv) A "Symposium on value orientation in Education - Sponsored by University Grants Commission, New Delhi" was organised in the College from 26th to 30th November 1987.

III Names of faculty members of four College who received awards or distinction :

Thiru D. Barathan, Asst. Professor of Economics won the Neo-Literate Award in the 28th Competition conducted by the Directorate of Adult Education, Ministry of Human Resources Development, Government of India, New Delhi for the year 1986.

30. Ambai Arts College, Ambasamduram.

Under the auspiecs of the Youth Welfare Department, Madurai Kamaraj University the Zonal level youth Festival conducted in the college on 21st, 22nd & 28th February 1987. One day inter collegiate seminar on Drug abuses and Aids was conducted in the College on 31st March 1987.

Three cadets attended Trekking Expendition held at Goa. One cadet attended the Army attachment camp held in Ahamednagar, Maharastra State.

Thiru P. Kalasamy, of II B.A. represented the college in the Inter State N.S.S. Camp organized by N.M.S.S.V.N. College, Nagamalai Puduk-kottai from 10-1-87 to 16 1-87.

31. Government Arts College for Women, Tirunelveli.

The following 5 students particpated in the Inter-University Tournament on behalf of Madurai Kamaraj University (Women) Kabaddi in 1987-88.

1.	S. Veronica Selvi	III B.Sc. Chemistry
2.	N. Thangammal	III B Sc. Zoology
3.	Vasantha	III B.A. History
4.	Jeyalalitha	II B.Sc. Zoology
5.	Indira Gandhi	II B.A. Tamil Litt.

Under the N.S S., Special Camp at Thimmarajapuram, Palayamkottai Panchayat Union was held from 9-1-1987 to 18-1-1987.

1. Family Planning
2. Youth Welfare
3. Adult Education
4. Women Welfare

5. World peace
6. Enviromental Awareness
7. The role of Grama Bank in Village
8. Agriculture Loan facilities
9. National Integration.

Cultural Programme

1. Bharathanatiyam
2 Drama
3. Pattimantram

Agencies Co-opted

1. Nehru Youth Centre
2. Mass Pollution department
3. Youth Social mandram Palayamkottai.
4. N.S.S. Volunteers S A. Palayamkottai.

Free Medicine camp was conducted in a grand manner 12 Doctors did free medical service.

32. Kamaraj College, Tuticorin

The following students were selected to the University Volley-ball team from the college.

1. S Ramesh Kumar	III	B A.	(Eco.)
2. S. Ramakrishnan	III	B.A.	(Eco.)
3. V Nandagopal	II	B Com.	
4. J. Jacob Sunder	III	B.A.	(Eco.)
5. L. Venkatraman	II	B.A.	(Eco.)

The University team became runner up both in the South Zone meet held at Mysore and also runner up at the All India meet held at Jabalpur.

The following students of the college were selected to the University Basket ball team from the college.

1. M. Aron
2. R. Rajakumar
3. A. Rajakumaran

The following students of the college were selected to the University team.

1. John Marcus
2. Rajavel

"Leadership camp was organised for the teachers of colleges in colloboration with Youth Welfare Department of Madurai Kamaraj University from 15th June 1987 to 19th June 1987.

Prof. M. Sakthivel was invited to present Research paper on 'Toxic effects of dye stuff effluent on behaviour and food utilisation in Cyprinus Carpio" at Magadh University. Bodh Gaya, Bihar.

P. Paulraj II B.A of the college was adjudged champion Deccathlete of Madurai Kamaraj University this year.

C. John Marcus II B.Com. of the college has been selected for the Tamilnadu Junior State cricket team.

Two of the N C.C students are in the five member Boat Pulleying, team of Tamilnadu which became All India winners at the contest held at Visakapatnam. The team will participate in the Republic Day Celebrations at New Delhi.

1. Kesavan Sait
2. Joseph

One of the NCC students has been selected to attend Republic Day Parade held at New Delhi.

L. Rajan

Thus altogether 3 students attended Republic Day Parade at New Delhi.

33. Pope's College, Sawyerpuram

1. M. Thangiah Samuelraj III B.Sc. (Physics) has been selected to represent the Maduraj Kamaraj University Volley ball team in the Inter University tournaments.
2. N. Angela Ebenezer, III B.Sc. Physics got the second prize and Kiruthika alias Somasundari, II B.Sc (Physics) got Third prize in the District Level Oratorical contest in Small Savings.

Angela Ebenezer, III B.Sc. (Physics) was selected by All India Radio to give a Talk in English on "Small Savings" and the same was broadcast by All India Radio Station at Tirunelveli on 16-11-'87.

4. Kiruthika alias Somasundari, II B.Sc. (Physics) got the Second Prize in the essay contest conducted by the Co-operative week celebration Committee, Chidambaranar District for the year 1987.

34 Sadakathullah Appa College, Palayamkottai.

N.S.S

In addition to the regular and adopted village activities, we organised a free eye camp with the aid of Vivekananda Kendra and Arvind Eye Hospital, at Manakavalampillai Kalyana Mandapam. About 350 patients were tested by eminent Eye sepcialists. Among them 71 were selected for surgery. They were brought to Aravind Eye Hospital, Madurai and operated on successfully. Five NSS volunteers accompanied them for assitanee.

As part of the National Environmental Awarness compaign we arranged meetings at our adopted villages.

Adult Education :

Five rural centres in Palayamkottai municipality and five other rural centres in Melappalayam Municipality were selected for implementation of Adult Education Programme. The animators of these centres were given in - Service training by Mr. Mathiahs, Adult Education Programme Officer, Alangulam on 31-1-1987. In all these ten centres a total of two hundred and ninety six learners (211 female and 85 male) was enrolled. All the two hundred and ninety one learners received primary education and completed the programme successfully by the end of June 1987.)

N.C.C.

one cadet attended the Advanced Leadership course with Rock climbing at Neyyar Dam from 4th May 1987 to 24th May 1987.

Three Cadets have attended the Director General Organised All India Trekking Expedition at GOA-1987 from 5th October 1987 to 18th October 1987.

One Officer and 20 cadets have attended the Combined Annual Training Camp at Alwarkurichy, Tirunelveli District, from 26th December 1987 to 4th January 1988.

35. Sarah Tucker College, Tirunelveli :

Dance, B.K.Lakshmi, II B.Com. has been selected by the Tamilnadu "இயல் இசை நாடக மன்றம்" as one of the best Bharathanatiyam dancer.

All India Science Festival Elocution Competition :

I- Prize-D. Suganthi Swornalatha, II B.Sc.Chemistry

II - Prize - Rajabunisal, II B.Sc. Zoology Title - அறிவியல் மக்களுக்காக.

Essay competition: S K. Kala, I M.Sc. Maths Essay competition held by School of Mathematical Sciences, Madurai Kamaraj University in connection with "Ramanujam Centenary Celebration" Title of the Essay "The Theorem that I enjoyed in Mathematics.

Rajabunisal III B Bc. Zoology Best Essay Writer - Essay on "கல்வி வளர்ச்சியில் நவீன சாதனங்கள்" Competition held by Tamil Teachers' Association, Madurai Kamaraj University.

Eastrina Mercy, II B.Sc Physjcs represented Tamilnadu, Pondicherry and Andaman in snap shooting in an All India Shooting Competition.

36. St. Xavier's College, Palayamkottai :

We are happy to note that our college volley ball team won the state championship in the State Association Tournament for affiliated colleges in Tamilnadu Six members of the same team were members of the Madurai Kamaraj University Volley ball Team which won the second place in the All India Inter University meet at Bhagalpur University, Bihar state.

37. Thiruvalluvar College, Papanasam :

Thiru E.S. Veerabagu, B.A.,M.P.Ed. D.C.Y(Yoga) N.I S.(Athletics) Asst. Prof. of Physical Education secured Fist Prize and Gold Medal in the 5000 M Race held under the auspices of the International Veteran Atheletics Association at Singapore on 18.4.1987.

38 The Indian Engineering College. Vadakkangulam

A full fledged Computer Centre with facilities for business and Technical Computing to cater to the needs of the College students.

A career cornor has been established to expose the students letest trends and postions on employment opportunities for both in India & abroad.

39. Tirunelveli Medical College, Tirunelveli :

Names of students who attained Distinctions participated in the Madurai Kamaraj University in the Inter University tournaments :

1. A. Jeya Raj Duraipandian — 1986-87 Cricket
2. M.K.T. Aboubacker — 1986-87 Tennis
3. R. Kirubakara Vaheesan — 1987-88 Football
4. M.K.T. Aboubacker — 1987-88 Tennis

40. Arignar Anna College, Aralvaymoli :

Three-day course on vocational guidance for College Teachers was conducted in the college from 28-3-87 to 30-3-87 A Ten-days special Camp on the Youth for Rural Re-construction was held from 29-1-87 to 7-2-87. The following students of the college emerged winners in the Quiz competition (men) in the Zonel level Youth Festival.

1. S. Ganesan - III B Sc. ... I Prize
2. A. Ignatious Suresh Babu - III Bom. ... I Prize

41. Nesamony Memorial Christian College, Martandam

1. Introduced Sequential Course in M.Phil. (History) for College teachers.
2. L.R. Sudha, T. Kumari Jeya and Victor Reginald Devaram of B.Sc. Mathematics class won the first round in the Ramanujan Centenary Celerbation Quiz Competition conducted by the Madurai Kamaraj University.

   T. Rajaselvam of II Maths M.Sc. won the first prize in the Essay Competition.
3. In the Inter Collegiate Pandit Nehru Centenary Celebrations Miss. Malar Kamalam Joseph won the first prize in English Essay Competition & Mr. R. Premkumar won the first prize in Tamil Essay Competition.
4. In the G.S. Pant Centenary Celebration Mr.R Premkumar won the first prize in Tamil Essay Competition.

   Sgt. I. George Stephenson.
   Cpt. P. Sathesh Kumar

Cpt. G. Natarajan

Cpt. N Sugathan and Cpt. T. Russel Raj attended all India Trekking expedition held at Goa.

Got overall Championship in 'D' Zone sports meet held at Tirunelveli Madurai Kamaraj University Sports Meet.

1. M. Babu has broken the previous record in 400 Metres dash. Time 49.5 seconds
2. N. Babu 200 Metres dash II Place
3. M. Jahir Hussain-Triple Jump II place.
4. N Babu has represented All India Inter-University Athletic Meet held at Partiala.

42. Holy Cross College, Nagercoil :

Name of students distintions in Athletics :

Vanaja of II B A. History broke the Existing M. K. University record in 800 mts in the M. K. University inter collegiate Athletic meet of 1987-88.

Names of the students who participated in the inter varsity tournaments.

Basket Ball :

Daisy Rani, V.	III B,A. Hist. Captain
Amala Jegatha Mary	I B.Sc. Maths
Chitra	I B.Com.
Beema Mary, F.	II B.Com.
Rasheed Sultan	II B.Sc. Chem
Christy Celin Mary	III B.A. Lit.
Zinda, M.	II B A. Lit:

Volley Ball

Vijayalakshmi, B.	III B.Com.
L.B. Latha	II B.Sc. Maths
Chidambara Velam	I B.Sc. Chem.

Kabaddi

Elpes Rani	III B.Sc. Maths

43. Scott Christian College, Nagercoil:

Names of students who attained distinctions, participated in the Inter-University games representing the University:

1. S. Chithranjan of Class III B.Sc. represented our University at the Inter-University Foot Tournament held at Ernakulam.
2. A Christopher of Class III B Sc. represented our University in the Inter-University Athletic Meet held at Allahabad.
3. B. Christudhas Williams of I M.Sc. represented our University in the Inter-University Chess Tournaments held at Ernakulam.

44 Sivanthi Aditanar College, Nagercoil

Special programmes under co-curricular activities:

1. Distribution of pamphlets to create environmental awarness among the rural folk area.
2. Planting of seedlings in the hamlets.

45. Sree Ayyappa College for Women, Aloor.

Co-Curricular Special Programme activities Prize Winners at the Zonal level competition held at W.C.C Nagercoil

1.	Debate (Tamil)	P. Thiruvalar Selvi A. Meenambika	I B.Com.	III Prize
2.	Quiz	Anithamumari Shahila Rahmath,	II M A. II Zoology	II Prize
3.	Carnatic Sola-vocal Women	A. Lakshmi		III Prize
4.	Indian classical other than Baharath Nattiyam	V.R. Anjana		II Prize
5.	Indian group dance	1. J. Ranasree, 2. K. Anuratha, 3. R Indulekha 4. R. Chandralekah 5. S. Rojini 6. S Sandhya K. Nair 7. V.R. Anjana	III B.A. Lit. II Maths. I Physics (3, 4) II Litt. I Physics I Zoology	I Prize
6.	Kolam	Premalath	III Litt.	II Prize
7,	Plastic HANDICRAFTS	Nageswari		I Prize
8.	Astavathana	Shahila Rahmath,	II Zoology	I Prize

APPENDIX – S

Details of Financial Assistance to the Colleges by the University Grants Commission :

The University Grants Commission has released grants to the following affiliated colleges Under Basic Assistance during VII plan period ending 31st March 1987.

S.No	Name of the college	Books & journals	Equipment	F.I.P.	Conference
1	J.A College for Women, Periyakulam	50,000	1,00,000	1,25,000	5,000
2	Lady Doak College, Madurai	50,000	1,00,000	—	5,000
3	Madura College, Madurai	50,000	1,00,000	—	5,000
4	American College, Madurai	50,000	81,900	—	5,000
5	Yadava College, Madurai	48,740	1,00,000	12,500	5,000
6	Fatima College, Madurai	50,000	1,00,000	—	5,000
7	G.T.N. Arts College, Dindigul(ANNA DIST)	32,640	81,600	1,25,000	4,800
8	Saraswathy Narayanan college Madurai.	50,000	1,00.000	—	5,000
9	M.S.S.W B.College, Madurai.	50,000	41,100	—	5,000
10	Vivekananda College Tiruvedagam.	31,920	79,800	—	4,500
11	P.M.T College, Usilampatti.	43,921	1,00,000	—	—

1	2	3	4	5	6
12	Govt.Arts College, Melur.	39,780	99,450	—	—
13	Arul Anandar College, Karumathur	44,520	1,00,000	—	5,000
14	H.K.R.H.College, Uthamapalayam	46,680	1,00,000	—	5,000
15	C.P.A. College, Bodi.	33,660	84,150	—	—
16	Sourashtra College, Madurai.	50,000	1.00,000	—	5,000
17	M.T.N. College, Madurai	38,280	95,700	—	—
18	N.M.S.S.V.N.College, Madurai	50,000	1,00,000	—	—
19	Thiagarajar College of Preceptors, Madurai	6,000	15,000	—	—
20	A.P.A.College for Woman, Palani. (Anna Dist)	38,940	97,350	—	5,000
21	Sri Meenakshi Govt. College for women, Madurai.	50.000	1,00,000	—	5,000
22	M.V.M. Govt. Arts College, Dindigul. (Anna Dist)	50,000	53,400	—	—
23	Madurai Institute of Social Work, Madurai	5,340	13,350	—	1,200
24	Thiagarajar college, Madurai.	50,000	1,00,000	—	—
	Ramnad/Kamarajar/PMT Districts :				
25	Sri S.R. Naidu Momorial College, Sattur.	40,620	1,00,000	—	—
26	A.N.J.A. College, Sivakasi	50,000	1,00.000	1,25.000	5,000

1	2	3	4	5	6
27	V.H.N.S.N. College Virudhunagar.	50,000	1,00,000	—	5,000
28	Rajapalayam Rajus' College, Rajapalayam.	33,180	82,950	—	—
29	Dr. Zakir Hussain College, Ilayangudi	—	—	1,00,000	5,000
30	Seethalakashmi Achi College, Pallathur.	43,620	1,00,000	—	—
31	A.P.S A. College, Tiruppathur.	—	—	1,25,000	5,000
32	V V. Vanniaperumal College, for women Virudhunagar.	50,000	88,800	—	5,000
33	S B K. College Aruppukottai.	22,320	26,550	—	5,000
34	S.F.R. College, for Women, Sivakasi.	42,360	49,800	—	—
35	Sethupathi Govt. Arts College, Ramanathapuram.	18,180	—	—	—
36	R.D. Govt. College, Sivagganga.	44,400	1,00,000	—	5,000
37	Sree Sevugan Annamalai College, Devakottai.	38,400	96,000	—	5,000
Kanyakumari Dist :					
38	S.T. Hindu College, Nagercoil.	50,000	1,00,000	—	5,000
39	Arignar Anna College, Aramboly.	34,820	89,550	—	5,000

1	2	3	4	5	6
40	Holy Cross College, Nagercoil	50,000	1,00,000	—	5,000
41	St. Jude's College, Thoothoor.	42,180	1,00,000	—	5,000
42	Sree Ayyappa College, for Women, Aloor.	43,100	1,00,000	—	5,000
43	Lakshmipuram College of Arts & Science, Neyyoor.	28,740	39,600	—	5,000
44	Scott Christian College, Nagercoil.	50,000	1,00,000	—	5,000
45	Sri Devi Kumari Women's College, Kuzhithurai	20,220	50,500	-	5,000
46	N.M. Christian College, Martandam,	50,000	1,00,000	—	5,000
47	Pioneer Kumaraswamy College, Nagercoil.	28,560	68,400	—	-
48	Vivekananda College, Agasteeswaram.	41,160	1,00,000	—	3,000
Tirunelveli/V.O. Chidambaranar Districts :					
49	St John's College, Palayamkottai.	50,000	1,00,000	1,25,000	5,000
50	St. Xavier's College, Palayamkottai.	50,000	1,00,0	1,25,000	5,00000
51	Sarah Tucker College. Palayamkottai.	50,000	1,00,000	1,25,000	5,000
52	The M.D.T. Hindu College, Tirunelveli.	50,000	1,00,000	1,25,000	5,000
53	Sadakathullah Appa College, Tirunelveli.	47,520	1,00,000	1,25,000	—

1	2	3	4	5	6
54	Government Arts College for Women, Tirunelveli.	38,640	96,600	1,25,000	—
55	V.O.C. College, Tuticorin	50,000	1,00,000	1,25,000	5,000
56	St. Mary's College, Tuticorin	50,000	1,00,000	1,25,000	5,000
57	A.P C. Mahalaxmi college for Women, Tuticoin	41,340	38,700	1,25,000	—
58	Kamarajar College, Tuticorin	42,660	47,550	1,25,000	5,000
59	Pope's College, Sawyerpuram	18,780	33,450	1,25,000	5,000
60	Nazareth Margoschis college, Nazareth	29,580	73,950	1,25,000	5,000
61	Aditanar College of Arts & Science, Tiruchendur	50,000	1,00,000	1,25,000	5,000
62	Sri Parasakthi college, for women, Courtallam	50,000	1,00,000	1,25,000	—
63	Ambai Arts College, Ambasamudram	22,140	—	1,25,000	—
64	Thiruvalluvar college, papanasam	32,760	22,350	1,25,000	4,000
65	G.V N. College, Kovilpatti	35,340	88,350	1,25,000	—
66	Sri Paramakalyani college, Alwarkurichi	36,240	90,600	1,25,000	5,000
67	Sri K G.S. Arts college, Srivaikuntam	33,660	84,150	1,25,000	—
68	P M.T. College, Melaneeli-thanallur	30,120	24,750	1,25,000	5,000
69	St. Ignatius College of Education, Palayamkottai	8,040	20,000	—	1,500

VII PLAN – U. G. DEVELOPMENT ASSISTANCE

S. No.	Name of the college	Books & Journals	Equip.	Hostel Build.	Teacher Fellow	Extension programme Remedial Courses
	Madurai District					
1	Vivekananda College Tiruvedagam	1,00,000	1,00,000	2,00,000	1,00,000	—
2	Sourashtra College Madurai	1,40,000	1 40,000	2,80,000	1,00,000	–
3	Sri Meenakshi Govt. College for Women Madurai	1,60,000	1,60,000	3,20,000	1,60,000	–
	Ramnad / Kamaraj / P M T. / Kanyakumari Dt ,					
4	VHNSN. College, Virudhunagar	1,40,000	1,40,000	2,80,000	1,40,000	—
5	Raju's College, Rajapalayam	1,00,000	1,00,000	60,000	1,00,000	-
6	Seethalakshmi Achi College, Pallathur	1,00,000	1.00,000	1,00,000	50,000	50,000
7	APSA College Tiruppathu	1,50,500	1,61,000	1,96,000	1,50,500	42,000
8	VVV. College for Women Virudhunagar	1,40,000	1,40,000	2,80,000	1,40,000	—
9	Sevugan Annamalai College, Devakottai	1,00,000	1,00,000	2,00,000	1,00,000	—
10	St. Jude's College Thoothoor	2,00,000	2,00,000	—	1,00,000	—
11	Sree Ayyappa College for women, Aloor	1,00,000	1,00,000	2,00,000	1,00,000	—

1	2	3	4	5	6	7
12	N M. Christian College, Martandam	1,21,800	1,09,680	2,50,000	81,200	1,25,320
13	Vivekananda College, Agasteeswaram	1,20,000	80,000	2,00,000	52,000	48,000
	Tirunelveli / V.O. Chidambaranar Dt.,					
14	St. Xavier's college, Palayamkottai	1,40,000	1,40,000	2,80,000	1,40,000	—
15	Kamaraj College, Tuticorin	1,00,000	1,00,000	1,91,200	95,000	5,000
16	Pope's College, Sawyerpuram	80,000	80,000	1,45,000	50,112	25,600
17	Ambai Arts College, Ambasamudram	1,00,000	60,000	70,000	80,000	—
18	Sri Parasakthi College for Women, Courtallam	1,40,000	1,40,000	—	1,28,000	12,000

VII PLAN - P.G. Development Assistance

S.No.	Name of the college	Books & Journals	Equipment	FIP	Other programmes
	S.F.R. College for Women, Sivakasi				
	English Dept.	1,00,000	37,000	52,000	11,000
	Mathematics Dept.	1,00,000	98,000	52,000	—

APPENDIX T

DEPARTMENT OF PHYSICAL EDUCATION

Staff :

Thiru A.R. Dhanaraj B.A., M.P.E.,
Director of Physical Education

The Madurai Kamaraj University teams in Ball Badminton (Men & Women), Hockey, Tennis and Weight Lifting participated in the Inter-University Tournaments for the year 1986-87 conducted in January 1987. Thiru P. Thangakennedy of V.O.C. College, Tuticorin, secured the FIRST PLACE in Feather Weight Class and Thiru E. Sermasekaran of Aditanar College, Tiruchendur secured the Sixth Place in the All India Inter-University Weight Lifting Competition held at Mysore University, Mysore, in January 1987. Though the Kho-Kho (women) team proceeded to Mysore on 26th January 1987 to participate in the Inter University Tournament, it had to break the journey at Tiruchi Railway Junction due to the cancellation of train services in the Tiruchi-Bangalore route because of military troop movements.

The Madurai Kamaraj University Inter-Collegiate Inter-Zone Tournaments for men for the year 1986 87 were held in February/March 1987. The following are the results

1. Basket-ball : (W) - Kamaraj College, Tuticorin
   (R) - Thiagarajar College, Madurai
2. Ball Badminton (W) - St. John's College, Palayamkottai
   (R) - Dr. Zakir Hussain College, Ilayangudi
3. Chess (W) - G.T.N. Arts College, Dindigul.
   (R) - St. John's College, Palayamkottai
   &
   Law College, Madurai
4. Cricket : (W) - M.S.S.W.B. College, Madurai
   (R) - A.C. College of Engg & Tech., Karaikudi
5. Football : (W) - Aditanar College, Tiruchendur.
   (R) - G.T.N. Arts College, Dindigul.

6. Hockey : (W) - St. Xavier's College, Palayamkottai
(R) - Yadava College, Madurai

7. Kabaddi : (W) - Aditanar College, Tiruchendur
(R) - A.P.S.A. College, Tiruppattur

8. Tennis : (W) - G.T.N. Arts College, Dindigul
(R) - Thiagarajar College of Engineering, Madurai.

9. Table Tennis : (W) - St. Xavier's College, Palayamkottai
(R) - Madura College, Madurai

10. Volleyball : (W) - Kamaraj College, Tuticorin
(R) - St. Xavier's College, Palayamkottai

The prize Distribution function of the Madurai Kamaraj University Intramural Tournaments for staff / students / Research Scholars was held at the Syndicate Room, Palkalainagar, Madurai, on 20th April 1987. The Vice-Chancellor presided over the function and Thiru N. Kannayiram, Asst. Commandant General, Home Guards, Madurai Range, distributed the prizes.

The summer coaching camp for women was conducted at M.V.M. Govt. Arts College for Women, Dindigul, from 4th to 23rd June 1987. Coaching in Basketball, Kho-Kho and Volleyball was given by NIS trained coaches from the University and District Sports Councils. The summer coaching camp for men was conducted at American College, Madurai, from 8th to 27th June 1987. Coaching in Athletics, Kabaddi and Volleyball was given by NIS trained Coaches from the University and District Sports Councils.

The inter-collegiate zonal meetings for the various zone for men colleges were held in July/August 1987. The following were elected as the Zonal Chairmen and Conveners for the different zones for the year 1987-88 :

Zone	Chairman	Convener
A - Zone	Major V. Ramasubramanian, Principal, M.T.N. College, Madurai.	Thiru S. Janagaraj, Asst. Prof of Physical Education, M.T.N. College, Madurai
B - Zone	Prof. V. Kamatchi, Principal, P.T.M T.M. College, Kamuthi.	Thiru M. Thangaraj, Asst. Prof. of Physical Education, M.T.N. College, P.T.M.T.M. College, Kamuthi.
C - Zone	Prof. S.Selvaraj, Principal, Kamaraj College, Tnticorin.	Thiru A. Thuraiswamy, Asst. Prof. of Physical Education, Kamaraj College, Tuticorin.
D - Zone	Dr. V. Subramanian, Principal, Govt. Siddha Medical College, Palayamkottai.	Thiru K M Mohamed Farook, Asst. Prof. of Physical Education, Govt Siddha Madical College, Palayamkottai.

In view of the large number of women students taking part in the women inter-collegiate tournaments & sports, the Inter-Collegiate Women Zone was bifurcated into "Women North Zone" comprising of colleges in the Anna, Madurai, Kamarajar, Pasumpon Muthuramalingam and Ramanathapuram Districts, and "Women South Zone" comprising of the colleges in the Chidambaranar, Nellai-Kattabomman and Kanyakumari Districts with effect from the academic year 1987-88. The inter-Collegiate zonal meetings for the two women zones were held in August 1987. The following were elected as the Zonal Chairmen and Conveners for the two women's zones for the year 1987-88 :

Zone	Chairman	Convener
Women North Zone	Dr. (Mrs.) Chandrakantha, Principal, Arulmigu Palaniandavar Arts College for Women, Palani.	Tmty. S. Sathurangapani. Asst. Prof. of Physical Edncation, Arulmigu Palaniandavar Arts College for Women, Palani.
Women South Zone	Selvi S. Baghirathi, Principal, Sri Parasakthi College, for Women Courtallam,	Selvi M.A. Indirani, Asst. Prof. of Physical Education Sri Parasakthi College, for Women, Courtallam.

The Inter - Collegiate Inter-Zone Athletic Meet for men was conducted at the Armed Reserve Stadium, Madurai, on 27th and 28th October 1987. About 138 athletes from the four men zones participated in the Meet Thiru S. Kannadhasan of Aditanar College, Tirchendur, created a New Record in Triple Jump. The aggregate team championship was won by C-Zone with 73 points.

The Inter-Collegiate Athletic Meet for Women was conducted at the Anna Stadium, Palayamkottai, on 17th and 18th November 1987. About 150 women athletes from 27 colleges (women's and Co-educational) participated in the Meet. Selvi C. Vanaja of Holy Cross College, Nagercoil and Selvi Mary Emelda Hepsi Kala of Sri Ayyappa College, created New Records in 800 Mts. Run and 110 Mts. Hurdles respectively. The aggregate team championship was won by Women's Christian College, Nagercoil with 43 points closely followed by Holy Cross College, Nagercoil with 42 points

The following university teams participated in the Inter - University Tournaments for the year 1987-88 :

Basketball (Women), Shuttle Badminton, Cricket, Football, Kabaddi (Men & Women), Table Tennis (Men & Women), and Volleyball (Men & Women).

The Madurai Kamaraj University Volleyball (Men) team became the Runners up in the South Zone Inter-University Volleyball Tonrnament held at Mysore University, Mysore in October 1987 and became the Runners-up in the All India Inter-Zone Inter-University Volleyball Tournament held at Bhagalpur University, Bagalpur, in November 1987. The team was coached by Thiru R.K. Durai Singh, Volleyball Coach, Kamarajar District Sports Council, Virudhunagar.

Thiru M. Ahamed Ali Volleyball player of Kamaraj College, Tuticorin, was selected to the Indian Universities Volleyball team and participated in the Federation Cup Volleyball Tournament held at Thane in January 1987 and the Departmental National Volleyball Championship held at Tirunelveli in May 1987. Further, Thiru P. Ayyappan, J. Milton and S.N. Saththi, Volleyball players of St. Xavier's College, Palayamkottai, have been selected to represent the South Zone Inter - University volleyball team for the Indian Universities Volleyball team trials to be held at Jaipur in Jenuary 1988.

The following players of the Madurai Kamaraj University Kabaddi (Men) team which emerged Winners in the South Zone Inter-University Kabaddi Tournament held at Annamalai University, Chidambaram, during 1986-87 were awarded cash incentive of Rs. 500/- each:

1.	A. Mariappan (Captain)	–	Aditanar College, Tiruchendur.
2.	M.Kannan	—	-do-
3.	M. Edmund	—	-do-
4.	P.S Baskar	—	-do-
5.	G. Velayutham	—	-do-
6.	S. Amirtharaj	—	Muslim Arts College Thiruvithamcode.
7.	R. Manivannan	–	Vivekananda College, Agasteewaram
8	M. Lawrence	—	-do-
9.	A.M Mohamed Bashee	—	Lakshmipuram College, Neyyoor
10.	R. Ravichandran	–	-do-
11.	T. Rajamarthandan	—	A.P.S A. College, Thiruppattur

Thiru P. Thanga Kennedy, Weight Lifter of V O.C College, Tuticorin, was awarded a cash incentive of Rs 1,000/-for having won the FIRST PLACE in Feather Weight Class in the All India Inter- University weight Lifting Competition for the year 1986-87 held at Mysore in January 1987.

The Madurai Kamaraj University hosted the Inter-University South Zone Kabaddi Tournament (Men) at Aditanar College, Tiruchendur, from 9th to 15th November 1987 19 teams entered and 16 teams participated in the Tournament. Gandhiji University won the south zone championship and Bharathidason University became the Runners up. The tournament was conducted under floodlight in the evening. Dr. S.Krishnaswamy,Vice Chancellor, inagurated the tournament.

Aditanar College, Tiruchendur, was awarded the "Dr. M. Varadarajan Memorial Endowment Silver Rolling Trophy" for the year 1986-87 for having contributed maximum number of players to the Madurai Kamaraj University teams to partcipate at the Inter-University Tournaments during the years 1986-87.

APPENDIX—U

Activities of NCC in the Affiliated Colleges of Madurai Kamaraj University

1. ***Strength of NCC Cadets***

The present strength of NCC cadets in Colleges affiliated to Madurai Kamaraj University are as under :

a) No. of Colleges having NCC		63
b) Senior Division Boys	—	4070
c) Senior Wing Girls		910

2. ***Training***

Most of the colleges have completed 60% of the training and the remaining portion of the training will be compled by Jan. 88.

3. ***Average Percentage of the Attendance***

Average percentage of the attendance on parade is 90%

4. ***Pre-Commission / Refresher Training Courses***

i) Four candidates have attended Pre-Commission Training courese at NCC OTS, Kamptee/Gwalior.

ii) Eight/Part-Time Officers have attended Refresher Training course at NCC OTS Kamptee/Gwalior.

5. ***Camps / Courses Attended by NCC Officers and Cadets***

a) 38 SD Cadets at the units under command attended the Advanced Leadership course SD Boys with Rock climbing at Neyyardam from 4 May 87 to 24 May 87.

b) Basic Leadership course Senior Wing Girls was held at Shanthinikethan (West Bengal) from 25 May 87 to 3 Jun 87. 1 Officer and 20 Senior Wing cadets from 2 & 3 (TN) Girls Bns took part in it.

c) Basic Leadership course SD Boys (Naval wing) was held at Kakinads (AP) from 1 Jun 87 to 14 Jun 87. Two Senior Division (NW) cadets from 2 (TN) Naval Unit NCC, Madurai took part in it.

d) 4 (NW) Senior Division cadets from 2 & 3 Naval Unit NCC attended Attachment camp held at INS Naval unit Ship Establishment, Bombay from 1 Jun 87 to 28 Jun 87.

e) 8 (SW) Girl cadets were attached to Military Hospital, Wellington for Army Attachment from 20 Aug 87 to 31 Aug 87

f) 7 Senior Division Engineer cadets were attached to MEG Bangaloie for attachment camp during from 27 Jul 87 to 16 Aug 87.

g) 6 Girl cadets of Naval Girls wing attended Annual Training camp SW Girls Attached with Naval Unit at Bombay from 5 Oct 87 to 16 Oct 87.

6. *Annual Training camp*

a) One Combined Annual Training camp for Senior Division Boys cadets was conducted at SVN College, Nagamalai from 28 May 87 to 8 Jun. 87. 8 Part Time Officers and 426 cadets have attended the camp.

b) One Combined Annual Training Camp for Senior Wing Girls was held at Sarah Tucker College, Palayamkottai from 24 May 87 to 3 Jun. 87. 6 Part Time Officers and 350 cadets have attended the said camp.

c) Three more CATCs will be conducted from 24 Dec. 87 to 4 Jan. 88.

7. *Blood Donation*

The details of Blood donated voluntarily by NCC Cadets are as under :

	Strength	*Total blood in ml*
a) Boy cadets	182	46825
b) Girl cadets	53	15900

8. *Mountaineering / Adventure Courses*

a) Three Naval cadets have attended Mountaineering Basic, MAS, Manali (Himachal Pradesh) from 1 Aug. 87 to 26 Aug. 87.

b) 25 Senior Wing cadets took part in All India Trekking Expedition at Ooty-Coonoor from 1 May 87 to 22 May 87.

c) 1 Officer and 105 Senior Division cadets attended All India Trekkiug Expedition at Goa from 4 Oct 87 to 18 Oct 87.

9. *Tree Plantation*

1261 saplings have been planted during Oct/Nov 87.

10. *NCC Certificate Examination*

NCC Certificate examinations were conducted during Apr/May 87 and the details are as under:

	Type of the examinations		*No. of cadets Appeared*	*No. of cadets Passed*
a)	Certificate 'B'	Army wing	642	514
		Naval ,,	80	69
		Girls ,,	136	128
b)	Certificate 'C'	Army ,,	152	65
		Naval ,,	29	19
		Girls ,,	42	26

11. *Cycle Expedition*

a) A Cycle Expedition was organised by 2 (TN) Girls Bn NCC Madurai from Madurai to Madras and back from 02 Feb 87 to 13 Feb 87 covering a distance 1125 Kms. 1 Officer and 15 Senior wing cadets took part in the expedition.

b) Two cycle expeditions were organised by 14 (TN)Bn NCC, Dindigul as under:

i) from Usilampatti to Courtallam and back from 21 Jan 87 to 25 Jan 87 covering a distance 430 Kms. 1 Officer and 10 SD cadets took part in the expedition.

ii) from Dindigul to Pondicherry and back from 24 Oct 87 to 2 Nov. 87 covering a distance 935 Kms. 1 Officer and 10 SD cadets took part in the expedition.

c) One Cycle expedition-cum-Trekking was organised by 7 (TN) Bn NCC for SD and JD cadets from Madurai to Kodaikanal and Periakulam from 05 Nov 87 to 08 Nov 87. 1 Officer and 32 cadets took part in it.

12. *Trekking Expedition*

a) One Trekking expedition was organised by 2 (TN) Girls Bn NCC for SW/JW Girl cadets from Periakulam to Kodaikanal to Palni for 5 days from 25 Sep 87 to 29 Sep 87. 2 Officers and 38 cadets took part in it.

APPENDIX—V

INSTITUTE OF CORRESPONDENCE COURSE & CONTINUING EDUCATION

During the first four months viz 1-1-1987 to 30-4-1987, the Institute was headed by the Director Dr. (Mrs.) J.K. Pillai and she was assisted by the following three teachers of the Institute :

1. Thiru A. Jegadeesan — Open University System
2. Dr S.M. Subburaj — Academic
3. Dr. S Sathiyagirirajan — Education (Till October 1987)

Since Dr (Mrs). J.K. Pillai was appointed as Vice-Chancellor of the Mother Theresa University, Kodaikanal, she relinquished her office as the Director and from 30-4-87 A.N. onwards the Post of Director was kept vacant and Prof. A. Jegadeesan is now acting as the Director-in charge of the Institute.

The three teachers who assisted the Director were posted as Deputy Directors with effect from January 1987

As far as the administrative work is concerned, two separate wings are functioning - one to look after Finance (Men, Money and Material) and the other wing to look after the Administration from admission to issue of transfer certificates, of the candidates

The above two wings are headed by the following officers

1. Thiru N.S. Venkatasubbu, B.Com
   Deputy Registrar (Administration)
2. Thiru A. Swaminathan, M.B.A.,
   Deputy Registrar (Finance)
   (Till 18-3-1987)
3. Thiru D. Ramachandran, B.Sc.,
   Deputy Registrar (Finance)
   (From 19-8-1987
4. Thiru C.S. Mohan Ram, B.A.
   Assistant Registrar (Administration)
5. Thiru S.S. Thiruvengadathan B.Com., M.A.
   Assistant Registrar (Finance)

Courses and Students :

The Institute of Correspondence Course and Continuing Education. started in the year 1971-72, with an intake of 1000 candidates in B.A. degree courses has now successfully entered the 17th year of its existence with input of 53114 candidates in the following courses :

1. Bachelor of Arts (History, Political Science, Social Sciences, Economics, Geography, Tamil and English)
2. Bachelor of Science in Mathematics
3. Bachelor of Commerce
4. Master of Arts (History, Political Science, Economics, Tamil, English and Gandhian Thought)
5. Master of Commerce
6. Bachelor of General Law
7. Bachelor of Education
8. Master of Education

In view of the very poor strength, admission to B.A. degree course in Geography and certificate in Every day Science were dropped during the academic year 1987-88.

Enrolment is made from the students all over India for all the courses except the B Ed. degree. Admission is made for B Ed. from the students residing in Tamilnadu and Pondicherry State only.

All courses except B.A. Social Science, M.A. in Gandhian Thought, M.Com. B.G.L.B.Ed. and M Ed. are conducted both in Tamil and English Media.

The open University System was started as an extension of the Institute of Correspondence Course & Continuing Education in the year 1976-77 with input of 1,079 and now the strength has gone up to 6,809. This system prepares candidates upto pre-degree course (equivalent) to Hr. Sec. Course. No pre-requisite qualification is required to join the Introductory course except that the candidate has attained the age of 14 at the time of joing the course. The medium of instruction is Tamil. It has got four phases viz.

1) Introductory Course
2) Pre-Foundation Course (equivalent to X Std)
3) Foundation Course I year (equivalent to Hr Sc. I year)
4) Foundation Course II year (equivalent to Hr. Sec. II year)

After passing the Foundation Course II year, the candidates are eligible to join any Under-graduate degree course and thus come under the main stream of the Institute of Correspondence Course and Continuing Education.

The Government of Tamilnadu through the orders G.O.M.S.No. 528 dated 18-5-1985 and G.O.M.S.No. 1110 dated 17-9-1985 has recognised the Foundation Course as equivalent to Higher Secondary (+2) course both for purpose of entry into Public Services in the State and for academic purposes i.e. for pursuing higher studies.

Apart from the above, the following three job-oriented courses of one-year duration have been introduced in the Institute of Correspondence Course and Continuing Education from the academic year 1986-87. The number of candidates admitted during 1987-88 is noted against each.

1. Certificate in Journalism & Mass Communication – 432
2. Certificate in Child Health & Family Welfare – 120

Statement showing the number of candidates enrolled year-wise subject wise and Class-wise in the ICC and CE for the academic year 1987-88.

Course	Year	Men	Women	Total
B A. History E.M.	I	181	98	279
	II	192	121	313
	III	255	208	463
B A. History T.M.	I	1247	784	2031
	II	1497	900	2397
	III	1680	799	2479
B.A. Pol. Sc. E.M.	I	52	11	63
	II	57	13	70
	III	131	45	176
B.A. Pol. Sc. T.M.	I	179	47	226
	II	219	71	290
	III	226	76	302

1	2	3	4	5
B A. Economics E.M.	I	167	101	268
	II	199	125	324
	III	282	181	463
B.A. Economics T.M.	I	506	190	696
	II	543	327	870
	III	688	315	1003
B A. Soc. Sc.	I	57	37	94
	II	70	42	112
	III	89	72	151
B.A. Geography	I	16	6	22
	III	25	23	48
B.A Eng Lit.	I	124	198	322
	II	195	179	374
	III	235	256	491
B.A. Tamil. Lit	I	259	275	534
	II	240	191	431
	III	238	259	497
B.Sc. Maths.	I	299	136	435
	II	321	203	524
	III	509	183	692
B.Com. E.M.	I	949	566	1515
	II	1136	848	1984
	III	1853	1390	3243
B.Com T.M.	I	843	379	1222
	II	1276	440	1716
	III	1130	451	1581
M.A. History E M.	I	253	247	500
	II	373	299	672
M.A. History T.M.	I	337	307	644
	II	759	395	1154
M.A. Pol. Sc. E.M.	I	359	104	463
	II	390	80	470
M.A. Pol. Sc. T.M.	I	354	49	403
	II	404	37	441

1	2	3		4	
M.A. Economics E M.		I	336	170	506
		II	207	171	378
M.A. Economics T.M.		I	295	99	394
		II	366	75	441
M.A. Gand. Thought		I	59	23	82
		II	63	16	79
M.A. Eng. Lit.		I	293	247	540
		II	199	239	438
M.A. Tamil Lit.		I	158	203	361
		II	245	202	447
M.Com.		I	1332	386	1718
		II	1650	448	2098
B.G.L.		I	746	84	830
		II	917	92	1009
B.Ed.		-	608	684	1292
M Ed.		-	944	685	1629
Cert. in Journalism & Mass Communication E.M.		-	235	74	309
-do- T.M.		-	140	36	176
Open University System :					
Introductory Course		-	586	136	722
Pre-Foundation Course		-	1401	443	1844
Foundation Course - I		-	726	442	1168
Foundation Course - II		-	1897	1058	2955
Cert. Course in Child Health & Family Welfare		-	45	75	120

The Learning system :

The learning system comprises several inter-related programmes such as Home study courses, contact classes, Home assignments, radio broad-casts and feedback system.

The home study courses and feedback system are covered in the form of lessons containing response sheets, syllabus etc., Each subject is given a code number and each code comprises of thirty lessons (approximately). The response sheets attached to these lessons are answered by the students and sent to the Institute for valuation purposes-

As BEd. and M.Ed. are professional courses, provision is made for internal assessment in both the courses. Internal marks are given to the students on the basis of their attendance in the seminar classes and their performance in the tests conducted in the seminar classes and in the home assignments sent by them. These test papers and assignments are being valued by qualified teachers through central valuatian.

The number of rounds of Contact Seminars conducted for the various courses (UG and PG) is furnished hereunder :

B.A I, II and III year courses	3 rounds
B.Sc. I year course	4 rounds
B.Sc. II and III year courses	6 rounds
B.Com. I and II year courses	3 rounds
B.Com. III year course	4 rounds
M A.,M.Com and B G.L I year courses	3 rounds
M.A.,M.Com. and B G.L. II year courses	4 rounds
M.A., Gandhian Thought I and II year courses	2 rounds

Six rounds of seminars are arranged for M.Ed. and seven rounds arranged for B.Ed. courses and the attendance is compulsory for them. In addition to these, campus programme in May is arranged for the B.Ed. students for 20 days in a year. M.Ed. is the only course offered under the semester system in the Institute of Correspondence Course and Continuing Education.

Three rounds of contact seminar classes are arranged for Certificate course in Journalism and Mass Communication students in five centres In addition to this, campus programme in May is arranged for seven days in a year in all five centres.

As far as Open University System is concerned, 4 simultaneous contact classes at selected centres spread all over Tamilnadu have been arranged.

The contact seminars are held at Coimbatore, Madras, Madurai, Tiruchy and Tirunelveli usually during week ends. Participants of this learning system may attend the seminar in any of the centres according to their convenience. These periodical contact classes are held to enable interaction between teachers and students and to clarify doubts.

The broadcast programmes are based on the instructional material. Experts in each discipline are invited to give radio talks. These talks

cater to the needs of B.A., B.Sc B.Com, and B.Ed students. It covers from May 1987 to April 1988.

A library with good collections is functioning in the Institute from its inception. So far nearly, 50,000 volumes have been accumulated, classified and kept ready for reference. These books are being used by the ICC students. Research Scholars of various other departments besides the teachers of the ICC.

Information centre:

For the benefit of students of ICC and CE, information centres have been opened and are functioning at Madras, Madurai, Palayamkottai and Nagercoil.

Faculty Improvement Programme:

Under the faculty improvement programme, the following teacher of ICC & CE was deputed to do M. Phil Programme

Thiru A. Rathish Retnam - Department of History - M.Phil.

The following teacher of ICC & CE has been granted study leave to complete his Ph. D..

Thiru R. Kathiresan - Reader in Commerce.

Deputations to Seminars and Conferences:

S.No.	Name & Dept	Name of the Conference and Venue	Date
1.	S. Kanakaraj Lecturer in English.	All India English Teacher's Conference, Nagpur	2 to 4.1.1987
2.	Thiru N.Kanakaraj Prof of Law.	21st Annual Conference of the Indian Society of Internationai Law, New Delhi	9 to 11.1.987
3.	Dr.N.R. Mohan Reader in Tamil	All India Tamil Liguistics Association Conference-Cum-Seminar at Bharathiar University Coimbatore	14 & 15.2.1987
4.	Dr.N.Chockalingam, Reader in Tamil.	All India Tamil Liguistics Association Conference-Cum-Seminar at Bharathiar University Coimbatore	14 & 15.2.1987

1	2	3	4
5.	Thiru N. Kanakaraj Prof. of Law.	Second Regional Workshop in Legal Literacy University of Kerala, Trivandrum.	27.2.1987 to 1.3.1987.
6.	Dr.A. Vinayaga-moorthy, Reader in Tamil.	Seminar Tamil University, Tanjore	23 to 25.3.1987
7.	Dr. S. Velayutha-perumal, Reader in Economics	Workshop in International Economics, Madras	23 to 25-3-1987
8.	Dr. R. Shanmugam Prof & Head, Department of Tamil	All India University Tamil Teachers Association 19th Seminar at Tirupathi	2 & 3-5-1987
9.	Dr. S. Sambasivan Reader in Tamil		
10.	Dr. S. Velayutha-perumal, Reader in Economics	Institutional Economics and the North Eastern Region's Economy, North Eastern Hill University	5 to 8-6-1987
11.	Thiru S. Gopalan, Lecturer in Logic	Indian Philosophical Congress Conference, Srinagar	6 to 9-6-1987
12.	Dr. H. Bharakath Ali Khan, Reader in Commerce	Study of Distance and open University systems of the various Universities including the India Gandhi National Open University	4-8-1987 to 2-9-1987
13.	Dr. A. Vijayarajan Reader in Economics		
14.	Dr. S Velayutha-perumal, Reader in Economics	International Conference of Economists, Yugoslavia	8 to 11-9-1987
15.	Thiru S. Srinivasan Lecturer in Economics	47th Annual Conference of the Indian Society of Agricultural Economics at University of North Bengal, Rajaram Mohnpur (Dist-Darjeeling)	24 to 26-9-1987

16. Thiru C. Gnana-pragasam Lecturer in Political. Science.	33rd Annual General Body Meeting and 31st Members Annual Conference of the Indian Institute of Public Administration, Delhi.	31-10-1987 to 1-11-1987
17. Thiru J. Rajagopal, Lecturer in Political Science 18 Dr. Virgin Sigamani Reader in Poli. Science	45th All India Political Science Conference, Aligarh University, Aligarh	22 to 24-12-1987
19. Thiru S. Sinna-thambi, Lecturer in Education	XX Annual Conference of All India Association of Educational Technology, Udang, Howrah District, West Bengal	26 to 28-12-1987

Seminar conducted by the Institute :

1. Department of Tamil — One day seminar on 18-3-1987 towards 21st Century Development of Tamil.

2. Law Department — One day seminar on 18-4-1987 Central Educational Tribunal.

APPENDIX - W

EVENING COLLEGE

1. Introduction :

The Evening college continued its academic programme as follows : Under-graduate courses (Non-Semester)

B.A. (Three academic years)

I Part — Tamil
II Part — English
III Part — a) Major-branch : History
Ancillaries : 1. Economics
2. Modern Governments

b) Major-branch : IV Economics
Ancillaries : 1. Statistics
2. History of India

c) Major-branch : XII English literature
Ancillaries : 1. Social History of England
2. History of English literature and literary criticism.

B.Sc. (Three academic years)

I Part — Tamil
II Part — English
III Part — a) Major-branch I (c) Mathematics
Ancillaries : 1. Mathematical Economics
2. Unit-1 : Operations research
3. Unit-2 : Mathematical methods in Business Management

b) General science : Major : 1. Physics & Chemistry
2. Botany & Zoology

B.Com. (Three academic years)

I Part — Elements of company organisation
II Part — English
III Part — Group A & B

Group C : Optional : 1. Income tax law and practice
2. Special accountancy

Post - Graduate courses :

1. M.A. Branch III (C) Economics
2. M.A. Branch VII (a) English
3. M.Sc - branch I (a) Mathematics
4. M.Com.
5. M.A. History

Certificate Courses :

Journalism

Diploma Courses:

1. Journalism
2. Labour and Administrative Law
3. Teaching of English
4. P.G. Diploma in Tourism
5. P.G. Diploma in personnel management and industrial relations.

2. Staff :

Director : Dr. S.M. Subburaj M.A., M.Phil., Ph.D.,

Part-time Lecturers : 167 (from various colleges in and around Madurai city)

Faculty teaching Under-graduates courses	:	65
Faculty teachins Post-graduate courses	:	55
M.Phil	:	25
Faculty teaching certificate/Diploma courses	:	22
		167

3. Students Strength

			Men	Women
B A History	I year	Nil	–	–
	II year	9	9	–
	III year	4	4	—
B.A Economics	I year	27	27	–
	II year	22	22	—
	III year	12	10	2
B.A. English	I year	nil	—	—
	II year	9	9	—
	III year	8	7	1
B,Sc. Mathematics	I year	14	14	—
	II year	30	25	5
	III year	20	16	4
B.Sc. (General Science)	I year	20	20	–
	II year	22	20	2
B Com	I year	73	69	4
	II year	79	69	10
	III year	78	72	6
M.Com	I year	58	49	9
	II year	35	34	1
M.A. History	I year	25	21	4
	II year	14	14	—
M.A. Economics	I year	29	28	1
	II year	27	24	3
M.A. English	I year	9	8	1
	II year	23	19	4
M.Sc Mathematics	I year	39	29	10
	II year	21	16	5
M.Phil	I year	171	130	41
	II year	89	67	22
Certificate courses	...	10	7	3
Diploma courses	...	108	103	5
Sequential M. Phil	I year	117	78	39

Awardees of Degrees

B.Com	......	23
B.A.English	......	2
B.A, History	......	1
B.Sc Mathematics	......	15
M.Com	......	2
M A English	......	3
M.A. Economics	......	2
M.Sc. Mathematics	.....	3
		51

4. *Awardess of certificate & Diploma courses :*

Certificate in Journalism	...	9
Diploma in Journalism		10
Dip. in Population Dynamics.		3
P.G,Dip. in Tourism	...	11

5. *Calender ;*

As usual the college calender (1987-88) was distributed to the students.

6. *I.A.S. guidance programme:*

This year a guidance programme for the preliminary examination on the I.A S. Examination was conducted from 19.1.'87 to 24.2.'87 consisting of 80 students in total.

7. *Annual Day and Convocation function :*

The annual day of the college was conducted on 31.3.87 and Major P.P. Chinnadurai, Registrar. Madurai Kāmaraj University presided the function.

Dr. (Mrs.) J.K. Pillai, Director, I.C.C. & C.E. distributed the Degrees to students.

The College sports day has also been conducted and the prizes were distributed to the winners by Thiru. Kannayiram, Assistant Commandant General Home Gurad & President of Tamilnadu film exhibiters Association.

8. N S S. Unit No : 187

110 students are participating enthusiastically in the National Service scheme including the Lady volunteers. This year from January 1987 to 30th Nov. 1987 the following works have been done successfully.

1. Cleaned the bushes and shrubs in the Old University complex and maintaining the clean.

2. A group of 10 volunteers sent to the Meenakshi Amman temple for regulating the crowd on Navarathiri festival.

3, A group of volunteers sent to the Science March held in the Madurai city.

4. We conducted different types of cultural competitions for Evening college students and distributed prizes on the Annual day function the College.

5. As a special programme, 50 volunteers are participated and cleaned the shrubs and bushes at D.R O colony, Madurai for two days on 25, 26th Nov '87. This work is yet to be completed, and we have planned to plant the trees in the streets of the Colony within Dec 1987.

6. We are going to conduct a 10 days special camp at Mathur Village, Madurai, East Panjayat Union.

9. Summer Sequential M. Phil Courses:

This year in the Evening College the first Summer Sequential M. Phil courses have been offered for various courses (i e. History, Economics, English, Commerce and Maths) in the month of May 1987 and the strength of the students in total was 117.

College teachers alone were admitted for this course.

APPENDIX—X

MEN'S HOSTEL

Th. University has three Hostels for men namely Bharathi Kavimani and V O.C. At present 500 students are living in these three hostles. Among them about 2/3 are students doing their Master's degree and the rest are doing their M.Phil. and Ph.D Degree courses

A Warden with three Deputy Wardens and a group of students nominated by the students of various departments administer the Hostel. The students representatives run the mess, decide the vendors, prepare the menu, mess bill and take care of related aspects. The Deputy Warden meets the students every day and solve their problems. The Warden is the one who is mainly concerned with general administration and finance. There is a hostel committee represented by members of Syndicate: Dean, Special Officer and a few students reprsentatives.

Regarding the facilities in the hostel every room in the hostel is provided with a cot, table, chair and a fan. Each hostel has water coolerss a Radio and a colour Television. Also the inmates play a variety of outdoor games ruch as badminton, volley ball, Kabadi and tennis. Also films are screened once in a month and Video films are shown every fortnight. To reduce mesquiteo problem insecticides are sprayed on all staganated water bodies around the hostel.

The financial help rendered by the University authorities needs a special mention without which it is not possible to run the hostels.

WOMEN'S HOSTEL

Women's Hostel Students Strength of 1986-87:

I Year	=	55
II Year	=	60
M.Phil ,	=	60
B.Lib.,	=	15
C. Lib. Sc.,	=	10
M. Lib Sc.,	=	5
Research Scholars	=	40
Total	=	245

APPENDIX—Y

STUDY CENTRE MADURAI

1. Staff :

A. Assistant Librarian :

Thiru M. Selvaraj, B.A., B. Lib. Sc., continues to be the Assistant Librarian of the study Centre.

B. Semi - Professionals :

Assistant - 2, Attender - 2 are serving the Study Centre on shift system from 8.00 A.M. to 2.00 P.M. and 2.00 P.M. to 8 P.M.

2. Grants :

The Study Centre, Madurai Kamaraj University gets Rs. 25,000/- for purchasing of new and for binding wornout books and Rs. 65,000 for staff salaries and contingencies including electricity charges.

3. Working hours and holidays :

The Study Centre remains open from 8 A. M. to 8 P.M. on all days except on Fridays and other public holidays.

4. Technical and Maintenance Works :

During this year the Assistant Librarian with the help of the other semi qualified professionals has done the following technical and maintenance works in the Study Centre : 300 books were checked, collected, stamped, accessioned, labelled, classified and catalogued which involved the preparation of 300 subject index cards, 450 Alphabetical cards and 300 shelf list cards. Besides 261 bound volumes of ICC lessons were kindly donated by the Institute of Correspondence Course and Continuing Education, Madurai Kamaraj University, Madurai.

Particulars of Technical work done for the past six years are shown below :

Year	Subject Index Cards	Alphabetical Cards	Accession Cards	Shelf list Cards
1982	1,028	1,188	950	950
1984	48	72	48	48
1985	450	675	450	450
1986	476	714	476	476
1987	300	450	300	300

5. *Readers* :

This year, it provided its valuable service mostly to the staff and students of the various colleges and especially to the students and staff of central school, Institute of Correspondence Course, Institute of Social work Law College, Medical College, Evening College, Department of Adult Education etc. It is important to note that the readers within the radius of about 10 miles from Madurai often pay visit to the Study Centre.

As on 31st July 1987 21,800 Readers (19,100 Gents and 2,700 Ladies) utilised this Centre 135 Readers on an average used the Centre every day. Average number of readers who utilised this centre for the six years are shown below :

Year	Total Number of Readers	Gents	Ladies	Daily Average
1982	37,500	33,000	4,500	150
1983	40,000	34.750	5,250	160
1984	21,500	20,000	1,500	72
1985	30,000	27,000	3,000	120
1986	16,400	15,000	1,400	100
1987	21,800	19,000	2,700	135

6 *Nature of Collections* :

S. No	Subjects	No. of Books
1.	Reference Books	705
2.	Library Science	88
3.	Generalia	170
4.	Mathematics	815
5.	Physics	575
6.	Engineering	233
7	Chemistry	708
8.	Technology	40
9.	Biology	285
10.	Geology	42

1	2	3
11.	Botany	291
12.	Agriculture	61
13.	Zoology	231
14.	Medicine	296
15.	Useful Arts	77
16.	Spiritual Experience & Mysticism	60
17.	Fine Arts	44
18.	English Literature	1411
19.	Tamil Literature	1820
20.	Linguistics	444
21.	Religion	390
22.	Philosophy	79
23.	Psychology	174
24.	Education	183
25.	Geography	131
26.	History	673
27.	Political Science	247
28.	Economics & Commerce	1086
29.	Sociology	237
30.	Law	213
	I.C.C. & C.E. Lessons	261

Details relating to the number of volumes in the Study Centre and the number added for the past six years are given hereunder :

Year	Number at the beginning of the year	Number added during the year	Total No. of Books
1982	9,507	1,029	10,536
1984	10,536	48	10,584

1	2	3	4
1985	10,584	450	11,035
1986	11,035	476	11,511
1987	11,511	559	12,070

7. Other Information

This Centre at present is located in the old University Library Building with adequate seating arrangements with separate seating arrangements for ladies. Past years question papers of the University Examinations are made available for the students to refer.

STUDY CENTRE, PALAYAMKOTTAI

1. Location of the Study Centre :

The Madurai Kamaraj University Study Centre, Palayamkottai is 'functioning at the P.G. Extension Centre, Schaffter Hall, St. Mark's Street, Palayamkottai

2. Staff :

Assistant Librarian	.	Thiru C. Arumugam
Administrative Staff	:	Assistants—2
		Clerk —1
		Class IV —3

3. Working Hours and Holidays :

The Study Centre remains open from 8 a.m. to 8 p.m. on all days except on Fridays and other Public Holidays

4. Grants :

The Study Centre receives Non-Recurring Grants from the Madurai Kamaraj University for the purchase of books and furniture. This year, 1986-'87, a sum of Rs. 34,750/-has been sanctioned for the purchase of books, periodicals and other Office equipments.

Besides, the University meets the salary for the staff and Contingencies to this Centre

5. Nature of Collection :

A) Books :

The Study Centre is equipped with multiple copies of valuable Text Books and most important reference books on various subjects.

Most of the text books have been purchased on the basis of the latest syllbi for both semester and Non-semester (U.G., P.G. and professional) with an eye to aid the students doing the Correspondence Courses.

The bound volumes of the I.C.C. lessons from degree level to Post Graduate Level (both English and Tamil mediums) for all subjects and professional courses are kept in this Centre for reference.

The 'Book Selection Committee' which consists of Eminent Professors, Heads of the departments of the P.G. Extension Centre is functioning

effectively. This Committee suggests the names of books to be purchased. More over, the suggestion of the students are also considered at the time of book selection.

This year our University Publication books (76 Titles) are added to this Study Centre for reference. This study Centre has six thousand and five hundred and ninety two text books and reference books.

B) Periodicals :

At present the following periodicals (both Indian and Foreign are procured for this Centre :

1. American Journal of Mathematics.
2. American Journal of Sociology
3. College English
4. Commerce
5. Comparative Literature
6. Current Science
7. The Economist
8. English Language Teaching
9. Journal of Chemical Education
10. Mathematics Teacher
11. National Geographic
12. Rural Sociology
13. Scientific American
14. Time

6. **Readers** :

This Centre renders great service not only to all the degree, Post Graduate and professional students but also to the M.Phil students and Research Scholars. The periodicals and other reading materials kept in this Centre are much helpful to the Research Scholars. The average readers per day was 60 during last year. But this has risen to 82 this year.

APPEDIX – Z

A-2937 MADURAI KAMARAJ UNIVERSITY CENTRAL CO-OPERATIVE STORES LIMITED, PALKALAINAGER, MADURAI-21.

Short notes on the working of the Madurai Kamaraj University Central Co-operative Stores Limited, Madurai-21.

Organisation :

The Madurai Kamaraj University Central Cooperative Stores Limited, Palkalainagar, was registered on 15-3-1968 and started its works on 30-3-1968. The area of the operation is confined to the jurisdiction of the Madurai Kamaraj University (ie.) the erstwhile revenue districts of Madurai, Anna, Ramanathapuram, Pasumpon Muturamalingam, Kamarajar, Nellai-Kattapomman, V.O. Chidambaranar and Kanyakumari.

Membership & Share Capital :

The authorised Share Capital of the stores is Rs. 2,00,000/- made up of 1,700 'A' Class shares of Rs. 100/- each, 2,000 'B' Class shares of Rs. 10/- each and 10,000 'C' Class shares of Re. 1/- each. The value of each share shall be paid in one lump sum.

The following are eligible for admission as members :

1. Madurai Kamaraj University 2. Coop. Stores in Affiliated Colleges 3. Colleges affiliated in Madurai Kamaraj University 4. State Government	'A' Class
5. Staff of the Madurai Kamaraj University 6. Staff of the affiliated Colleges	'B' ,,
7. Students of the Madurai Kamaraj University 8. Students of the affiliated Colleges	'C' ,,

The Members and the Share Capital position of the Stores :

S.No.	Class	Details	No. of Members	Share Capital Amount
				Rs.
1.	'A'	State Government	1	4,000
2.	,,	Madurai Kamaraj University	1	5,000
3.	,,	Affiliated Colleges	45	19,105
4.	,,	Cooperative Stores	4	2,920
5.	'B'	University Staff and other affiliated Colleges staff	2061	21,319
6.	'C'	Research Scholars	3	20

Management :

The executive management of the stores vests in a committee consisting of not more than 15 members, of whom the Vice-Chancellor of the Madurai Kamaraj University shall be the Ex-Officio President and one Vice-Presient and 13 other members.

Dr. S. Krishnaswamy, M.Sc, Ph.D., D Sc, (Southampton) Vice-Chancellor of the Madurai Kamaraj University is the Ex Officio President of the Stores Dr. T. Sivasankaran, M.A.. Ph D,, Registrar of the Madurai Kamaraj University nominated by the Vice-Chancellor as the Vice-President of the Stores.

One Co-operative Sub-Registrar deputed from the Co-operative Department is working as the Secretary of the stores under Foreign service terms He is looking after the day to day administration of the stores. The present incumbent of the post is Thiru N. Soundararajan, who joined duty on 30-7-1987 A.N.

Working :

The Stores is dealing in consumer goods, Groceries, Food Grains, Backery Products, Toilets, Stationaries, Chappals, Textiles and the Text Books Published by the Madurai Kamaraj University.

The Stores is supplying provisions to the University Hostels and Guest House, and Staff Uniform cloth, Stationeries and other requirements to the Madurai Kamaraj University.

Most of the purchases and the sales are on credit Basis only.

The Stores is supplying Civil Supply commodities, to the family card Holders residing at Palkalainagar As on date 672 Family cards have been enrolled in the Palkalainagar sales depot.

There are 2 sales Depots in the following places :

1. Palkalainagar.
2. Tallakulam (University Old Buildings)

1. Total Purchases made during the year 1986-87 Rs. 7.20 Lakhs
2. Total Sales made during the year 1986 - 87 Rs. 8.25 ,,

A member can borrow goods upto 60% of his salary. The credit sales will be recovered by the Pay Disbursing Officer at the time of payment of salary to the members of the stores. Each member is provided with a pass book. Whenever the credit purchase is made by the members the amount is entered in the pass books of the members.

The Stores has borrowed Rs. one Lakh as working capital loan from the State Government at 5½% interest during 68-69. A sum of Rs. 90,000/- has been repaid to the Government. The balance amount of Rs. 10,000/- is yet to be repaid to the Government. There is no other borrowing to the Stores

Necessary steps have been taken to increase the business of the Stores so as to enable the Stores to earn profit in the coming years.

The Madurai Kamaraj University Employees' Co-operative Thrift and Credit Society Ltd A 2998, Madurai

The Madurai Kamaraj University co-operative Thrift and Credit Society Ltd., has been registered on 14.10.1970 and started functioning on 21.11.1970.

This society has paid up share capital of Rs. 10,46,650/-

The society is governed by Board of Directors as follows:

1.	Thir	Ghulam Ghouse	—	President
2.	,,	S. Rajamannar	—	Vice-President
3.	,,	C. Chandrasekaran	—	Secretary
4.	,,	K.S. Kamatchi	—	Director
5.	,,	G. Subramanian	—	,,
6.	,,	M. Paraman	—	,,
7.	,,	M.S. Muthuvelu	—	,,
8.	,,	G.L. Stephen	—	,,

1. Total Members of the society 1176

2. The M.D.C.C Bank has been advancing loan at Nominal rate of interest to the society for the benefit of the members since its inception. Accordingly an amount of Rs. 27,32,800/= has been borrowed from the bank during the year 1987. As such 870 members have been benefited by this.

3. From its inception the society has borrowed about 1 crore and 95 lakhs of rupees.

APPENDIX - AA

MM 3114 MADURAI KAMARAJ UNIVERSITY CO-OPERATIVE PRINTING PRESS LTD.

Short Notes on the working of the Madurai Kamaraj University Co-operative Printing Press Ltd., Palkalainagar, Madurai-21

The Madurai Kamaraj University Co-operative Printing Press Limited has been registered on 20-9-1974 and started its function on 21-9-1974 and commenced printing works from 16-3 1976.

The object of the press is to do printing for the University and to the affiliated colleges and also may undertake to print for the public.

At present there are 24 'A' Class and 13 'B' Class members with a paid up share capital of Rs. 5,19,930/-. The Madurai Kamaraj University has participated with a sum of Rs. 5 Lakhs as Share Capital.

The press has running its work in the building of Madurai Kamaraj University with rent free till 31-12-83 and afterwards rent has been fixed 2,000/- per month.

The press is equipped with one Automatic Cylinder machine one hand Feed Cylinder machine, Seven Treadle machines, and one, power cutting machine.

The press is having the types net weight Kgs. 6,500 at present.

During the period from 1-1-1987 to 31-10-1987 Rs. 3.22 Lakhs printing works had been executed for the Madurai Kamaraj University.

The total number of workers as on 30-11 87 are 54 including office staff.

APPENDIX—AB

MADURAI KAMARAJ UNIVERSITY HOSTEL CONSTRUCTION CO-OPERATIVE SOCIETY LTD. (REGC No. 688)

Dr. S. Krishnaswamy assumed office as President with effect from 4-10-1985 the date on which he became of the Vice-Chancellor of the University. Major P. P. Chinnadurai coutinued to be the Secretary till 6-9-1987 and Dr. T. Sivasankaran has taken over as Secretary from 7-9-1987 on assumption of office as Registrar.

The General Body of the Society has 43 members on its rolls as given below:

1.	Dr. S. Krishnaswamy, Vice-Chancellor	President
2.	Dr. T. Sivasankaran, Registrar	Secretary
3.	The Director of Collegiate Education, Madras 6.	Director
4.	The Director of Technical Education, Madras-25.	Director
5.	The Director of Medical Education,	Director
6.	Vacant	
7.	Vacant	
8.	Vacant	

Sl.No 9. to Sl.No 43 members of colleges

The following five colleges were sanctioned loans of rupees one lakh each during the year 1972-73 and they are repaying the dues regularly. The toral amount remitted by the colleges towards Principal and Interest (including Penāl Interest) during the year 1987 is as follows:

	Name of the college	Principal		Interest	
		Rs.	Ps.	Rs.	Ps.
1	Yadava College, Madurai	2947	42	896	40
2	Saraswathi Narayanan College, Madurai.	4215	86	1478	83
3	Sri K.G.S. Arts College, Srivaikuntam.	4257	42	1508	31
4	Scott Christian College, Nagercoil	4334	03	1431	70
5	A.N.J.A. College, Sivakasi	4017	74	1748	11
	Total	19772	47	7063	35

The Audit for the year 1986-87 has been completed and the Audit Report is awaited for taking further action.

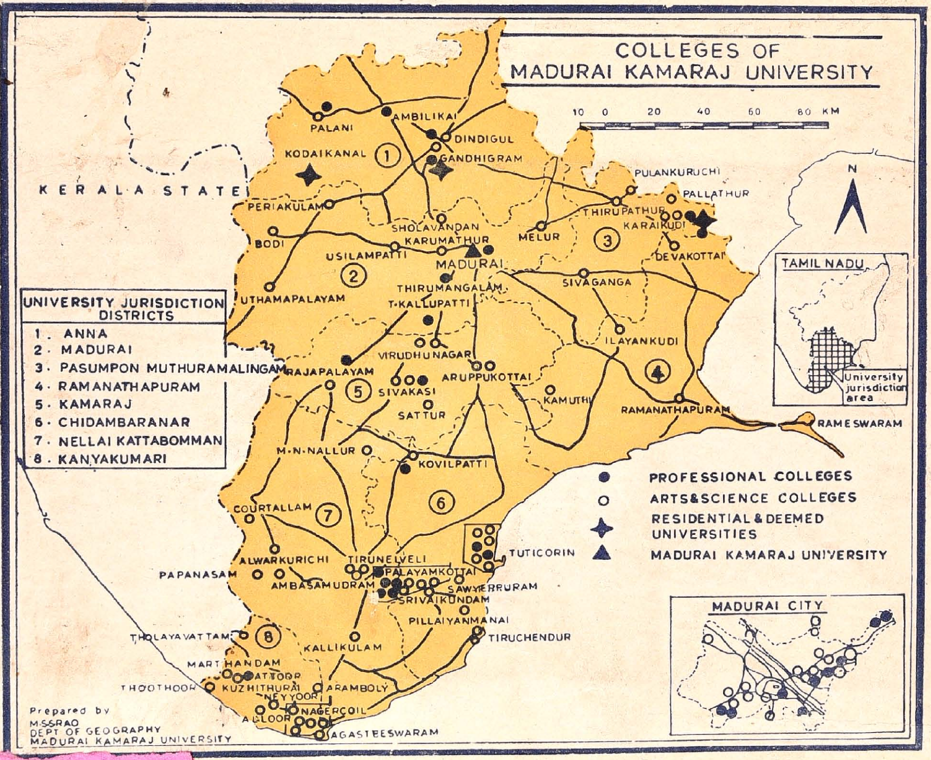
Madurai Kamaraj University Co-op Printing Press, Madurai-21.

APPENDIX—AC

Statistics and general information relating to University Departments for the year 1987

Sl. No.	Name of the Dept.	Teaching Staff P.	Teaching Staff R.	Teaching Staff L.	Teaching Staff O.	Teaching Staff Total	Students enrolment: Subjects & Degree	Men	Women	Total	No. of Students belonging to SC M.	SC W.	ST M.	ST W.	BC M.	BC W.	FC M.	FC W.	Total	No. of Students Residing in Hostels Men	Women	Total	Teachers belonging to SC M.	SC W.	ST M.	ST W.	BC M.	BC W.	FC M.	FC W.
1.	Dept. of Tamil Studies	3	10	7	—	20	M.A. Tamil I Year	10	9	19	2	2	—	—	7	6	1	1	19	6	4	10	—	—	—	—	14	3	1	2
							M.A. Tamil II Year	8	7	15	3	2	—	—	5	3	1	1	15	7	4	11								
							M.Phil.	13	17	30	3	2	—	—	15	6	2	2	30	1	4	5								
							Ph.D.	10	7	17																				
2.	Dept. of Linguistics	2	1	4	—	7	M A. Ling. I Year	11	1	12	4	—	—	—	7	1	—	—	12	4	1	5	—	—	—	—	5	1	1	—
							M A. Ling. II Year	7	—	7	1	—	—	—	4	—	2	—	7	4	—	4								
							Ph.D.	4	2	6																				
3.	Dept. of Saiva Siddhanta Philosophy	1	1	2	—	4	M.Phil.	3	—	3	—	—	—	—	1	—	2	—	3	—	—	—	—	—	—	—	3	—	—	1
4.	Dept. of Gandhian Studies and Ramalingar Philosophy	1*	2	2	—	5	M.Sc. I Year Peace-Making	6	3	9	1	1	—	—	3	2	2	—	9	4	1	5	—	—	—	—	4	—	1	—
	* Hony. Professor						M.Sc. II Year Peace Making	6	1	7	3	—	—	—	1	1	2	—	7	4	—	4								
							Dip. in Scientific Yoga & Meditation	5	1	6	—	—	—	—	4	1	1	—	6											
							Dip. in Inter-religious Dialogue	6	2	8	—	—	—	—	5	2	1	—	8	—	—	—								
							M.Phil.	7	1	8	—	—	—	—	4	1	3	—	8	—	1	1								
							Ph.D.	3	1	4	—	—	—	—	—	—	—	—	—	—	1	1								
5.	Dept. of English and Comparative Literature	3	3	5	—	11	M.A. I Year English	11	9	20	1	1	—	—	8	8	2	—	20	5	6	11	1	—	—	—	5	3	1	1
							M.A. II Year English	10	8	18	1	—	—	—	9	8	—	—	18	5	4	9								
							M.Phil.	21	18	39	1	—	—	—	15	13	5	5	39	6	12	18								
							Ph.D.	—	1	1																				
6.	Dept. of English (P.G. Extension Centre, Palayamkottai.	1	1	—	—	2	M.Phil. (Full-time)	—	16	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
							M.Phil (Part-time)	12	5	17																				
							Sequential M.Phil.	7	5	12																				
							Ph.D.	7	3	10																				
7.	Dept. of Economics	3	9	4	—	16	M.A. I Year Economics	22	—	22	8	—	—	—	12	—	2	—	22	15	—	15	—	1	—	—	6	3	5	1
							M.A. II Year Economics	13	4	17	4	1	—	—	7	3	2	—	17	10	—	10								
							M.Sc. I Year Mathl. Eco.,	9	4	13	1	—	—	—	6	4	2	—	13	2	2	4								
							M.Sc. II Year Mathl. Eco.	8	5	13	—	—	—	—	7	3	3	—	13	5	1	6								
							M.Phil.	12	8	20	2	1	—	—	8	6	2	1	20	12	4	16								
							Ph.D.	4	1	5																				
8.	Dept. of Historical Studies	1	4	4	—	9	M.A. History I Year	26	3	29	4	1	—	—	21	2	1	—	29	14	2	16	2	—	—	—	5	—	2	—
							M.A. History II Year	24	2	26	5	1	—	—	17	1	2	—	26	15	2	17								
							M.Phil.	24	7	31	5	1	—	—	17	6	2	—	31	18	6	24								
							Ph D.	1	3	4																				
9.	Dept. of History (P.G. Extension Centre, Palayamkottai.	—	4	—	—	4	M.A. History I Year	8	10	18	1	—	—	—	6	7	1	3	18	—	1	1	—	—	—	—	4	—	—	—
							M.A. History II Year	4	5	9	3	2	—	—	1	2	—	1	9	2	3	5								
10.	Dept. of Sociology	1	1	3	—	5	M A. Sociology I Year	6	9	15	1	1	—	—	3	8	2	—	15	4	4	8	—	—	—	—	1	2	2	—
							M A. Sociology II Year	9	9	18	1	1	—	—	5	5	3	3	18	6	3	9								
							M.Phill.	8	3	11	1	—	—	—	5	2	2	1	11	2	1	[illegible]								
							Ph.D.	2	1	3																				
11.	Dept. of Sociology (P.G. Extension Centre, Palayamkottai)	—	1	3	—	4	M.A. Sociology I Year	4	—	4	—	—	—	—	2	—	2	—	4	4	—	4	—	—	—	—	3	—	1	—
							M.A. Sociology II Year	5	—	5	—	—	—	—	4	—	1	—	5	3	—	3								
							M.Phil.	3	1	4	—	—	—	—	1	1	2	—	—	1	1	2								
12.	Dept. of Geography	1	4	2	—	7	M.Sc. Geography I year	10	5	15	3	—	—	—	5	5	2	—	15	8	4	12	—	—	—	—	3	—	4	—
							M.Sc. Geography II Year	8	8	16	—	2	—	—	4	5	4	1	16	8	2	10								
							M.Phil.	1	7	8	—	1	—	—	—	5	1	1	1	2	3	5								
							Ph.D.	6	1	7																				
13.	Dept. of French	—	—	3	—	3	M.A. French I Year	—	3	3	—	—	—	—	—	—	—	3	3	—	1	1	—	—	—	—	—	—	1	2
							M A. French II Year	1	1	2	—	—	—	—	1	1	—	—	2	1	—	1								
							Part-time Courses																							
							Certificate (French)	20	1	21	3	—	—	—	12	1	5	—	21											
							Diploma (French)	7	3	10	—	—	—	—	5	—	5	—	10											
							Higher Diploma (French)	5	2	7	—	—	—	—	6	—	1	—	7											
14.	Dept. of Malayalam	1	1	3	—	5	M.A. Malayalam I Year	6	3	9	3	—	—	—	—	—	3	3	9	5	3	8	1	—	—	—	—	1	2	1
							M.A. Malayalam II Year	2	1	3	—	—	—	—	1	—	1	1	3	2	1	3								
							Part-time Course																							
							Certificate in Malayalam	4	1	5	—	—	—	—	—	—	4	1	5											
							M.Phil. (Regular)	3	3	6	—	—	—	—	—	—	3	3	6											
							Ph.D.	3	2	5																				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
15.	Dept. of Telugu	1	1	1	—	3	M.Phil.	4	5	9	—	—	—	—	2	3	2	2	9	4	5	9	—	—	—	—	1	—	2	—
							Part-time Courses																							
							Certificate (Telugu)	4	—	4	—	—	—	—	4	—	—	—	4											
							Diploma (Telugu)	5	—	5	—	—	—	—	—	—	2	—	2											
							Ph.D	4	2	6																				
16.	Dept. of Kannada	1	1	1	—	3	M.Phil.	4	—	4	—	—	—	—	—	—	4	—	4	—	—	—	—	—	—	—	—	—	3	—
							Certificate (Kannada)	2	2	4	—	—	—	—	1	1	1	1	4											
							Diploma (Kannada)	3	—	3	1	—	—	—	1	—	1	—	3											
							Ph.D.	2	—	2																				
17.	Dept. of Sanskrit	1	1	1	—	3	**Part-time Courses**																							
							Certificate (Sanskrit)	8	5	13	—	1	—	—	4	2	4	2	13	—	—	—	—	—	—	—	—	—	3	—
							Diploma (Sanskrit)	4	—	4	—	—	—	—	3	—	1	—	4											
							Ph.D.	1	2	3																				
18.	Dept. of Education	—	2	1	—	3	M.Phil.	5	2	7	2	—	—	—	3	2	—	—	7	3	2	5	—	—	—	—	—	—	3	—
							Ph.D.	2	—	2	—	—	—	—	—	—	—	—	—	1	—	1								
19.	Dept. Management Studies	1	5	2	2	10	**Full-time courses**																							
							M.B.A. I year	25	3	28	5	—	—	—	12	3	8	—	28	18	2	20	—	—	—	—	7	—	1	—
							M.B.A. II year	27	1	28	5	—	—	—	16	1	6	—	28	19	1	20								
							P.G. Dip. in Entrepreneurial Development.	6	1	7	—	—	—	—	4	1	2	—	7											
							M.B.A. Defence service officers Correspondence cum-Residential Programme.	150	—	150	—	—																		
20.	Dept. of Commerce	1	1	1	—	3	M.Com. I Year	16	4	20	4	—	—	—	9	3	3	1	20	10	3	13	1	—	—	—	2	—	—	—
							M.Com. II Year	16	—	16	2	—	—	—	12	—	2	—	16	—	3	3								
							M.Phil.	14	5	19	2	—	—	—	9	3	3	2	19	—	1	1								
							Ph.D.	2	—	2																				
21.	Dept. of Political Science	1	2	2	—	5	M.A. Pol. Sc. I Year	12	4	16	1	1	—	—	10	3	1	—	16	6	3	9	—	—	—	—	4	—	—	1
							M.A. Pol. Sc. II Year	13	3	16	1	—	—	—	11	3	1	—	16	5	1	6								
							M.Phill.	12	1	13	2	—	—	—	9	1	1	—	13	2	—	2								
							Ph.D.	13	2	15																				
22.	Dept. of Mathematics	9	4	2	—	15	M.Sc, Maths I Year	8	2	10	2	—	—	—	3	—	3	2	10										15	—
							M.Sc. Maths II Year	5	4	9	—	1	—	—	2	1	3	2	9											
							M.Phil.	11	13	24	—	1	—	—	8	12	3	—	24											
							Ph.D.	5	4	9	—	—	—	—	—	—	—	—	—											
23.	Dept of Physics	4	5	6	—	15	M Sc. Physics I Year	4	2	6						4	2	6	12	4	1	5							15	—
							M.Sc. Physics II Year	2	6	8						2	6	8	16	1	5	6								
							M.Phil.	3	1	4										3	1	4								
							Ph.D	12	—	12																				
24.	Dept. of Chemistry	6	10	3	—	19	M.Sc. Chemistry I year	6	9	15	1	1	—	—	3	3	5	2	15	6	5	11							19	—
							M Sc Chemistry II Year	3	13	16	—	3	—	—	2	5	1	5	16	4	5	9								
							M.Phil.	5	3	8	—	—	—	—	1	1	5	1	8	2	3	5								
							M.Phil. (Part-time) sequential	10	8	18	—	—	—	—	5	4	5	4	18	—	—	—								
							Ph D.	—	—	22																				
25.	Dept. of Chemistry, (P. G. Extn. Centre, Palayamkottai)	—	—	5	—	5	M.Sc. I Year	3	8	11	—	—	—	—	—	8	2	1	11	1	2	3	—	—	—	—	1	—	4	—
							M.Sc II Year	5	7	12	2	—	—	—	—	7	2	1	12	2	4	6								
							M.Phil (Sequential)	5	4	9	—	—	—	—	2	4	2	1	9											
26.	School of Biological Sciences.	13	7	7	—	27	M.Sc. Biology I (Sem.)	8	9	17	—	3	—	—	6	6	2	—	17	—	—	—	—	—	—	—	17	—	10	—
							M.Sc. Bio.-Technology I Year	10	9	19	—	2	—	—	—	1	10	6	19	18	10	28								
							M.Sc. Bio.-Technology II Year	4	2	6	—	—	—	—	1	1	3	1	6	10	9	19								
							M.Phil. (regular)	7	4	11	—	—	—	—	5	5	1	—	11											
							M.Phil. (Sequential)	5	5	10	—	—	—	—	5	5	—	—	10											
							Ph.D.	88	12	100	—	—	—	—	—	—	—	—	—											
27.	School of Energy, Environment & Natural Resources. @ Pool Offieer & Research Associates	1	4	2	@ 1+5	13	M.Phil.	6	6	12	—	—	—	—	6	5	1	—	12	6	7	13	—	—	—	—	—	1	5	—
							Ph.D.	9	4	13																				
							Ph.D. (Part time)	9	1	10																				
28.	Dept. of Library Science	1	1	1	—	3	B.L.I.Sc.	24	11	35	3	2	—	—	17	10	2	1	35	14	5	19								
							M.L.I.Sc.	5	4	9	1	—	—	—	4	4	—	—	9	3	3	6								
							C. Lib.Sc.	52	29	81	6	1	—	—	34	24	12	4	81											
29.	Dept. of Computer Science & Convener	1&	—	5	2	8	M.Sc. I Year	19	6	25	—	1	—							14	6	20								
							M.Sc. II Year	13	5	18	—	1	—							13	5	18								
30.	Computer Centre	—	—	—	8	8	B.Sc. Dip Course in Computer Sc. & Applications. (One Year Course)	28	2	30	—	—	—	—	13	2	15	—	30											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KERALA STATE
UNIVERSITY JURISDICTION DISTRICTS
1. ANNA
2. MADURAI
3. PASUMPON MUTHURAMALINGAM
4. RAMANATHAPURAM
5. KAMARAJ
6. CHIDAMBARANAR
7. NELLAI KATTABOMMAN
8. KANYAKUMARI
PALANI
AMBILIKAI
DINDIGUL
KODAIKANAL
GANDHIGRAM
PERIAKULAM
BODI
SHOLAVANDAN
KARUMATHUR
USILAMPATTI
MADURAI
MELUR
THIRUPATHUR
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PALLATHUR
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THIRUMANGALAM
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